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JVC KW-V250BTM INSTRUCTION MANUAL

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ENGLISH

MONITOR WITH DVD RECEIVER

INSTRUCTION MANUAL

JVCKENWOOD Corporation

KW-V250BT (Region 3 – DVD Region Code 3 Area)
KW-V250BT (Region 4 – DVD Region Code 4 Area)
KW-V250BTM (Region 2 – DVD Region Code 2 Area)

This instruction manual is used to describe models listed above. Model availability and features (functions) may differ depending on the country and sales area.

B5A-2615-10 (M/M2/X)

Important Notice

To ensure proper use, please read through this manual before using this product. It is especially important that you read and observe WARNINGS and CAUTIONS in this manual.
Please keep the manual in a safe and accessible place for future reference.

⚠ WARNINGS

To prevent accidents and damages

- DO NOT install any unit or wire any cable in a location where;
  – it may obstruct the steering wheel and gearshift lever operations.
  – it may obstruct the operation of safety devices such as air bags.
  – it may obstruct visibility.
- DO NOT raise the volume level too much, as this will make driving dangerous by blocking outside sounds, and may cause hearing loss.
- DO NOT operate the unit while driving. If you need to operate the unit while driving, be sure to look around carefully.
- Stop the car before performing any complicated operations.
- The driver must not watch the monitor while driving.

⚠ CAUTIONS

To care for the unit

- If you have parked the car for a long time in hot or cold weather, wait until the temperature in the car becomes normal before operating the unit.

To care for the monitor

- The monitor built into this unit has been produced with high precision, but it may have some ineffective dots. This is inevitable and is not considered defective.
- Do not expose the monitor to direct sunlight.
- Do not operate the touch panel using a ball-point pen or similar tool with a sharp tip.
  Touch the keys on the touch panel with your finger directly (if you are wearing a glove, take it off).
- When the temperature is very cold or very hot...
  – Chemical changes occur inside, causing malfunction.
  – Pictures may not appear clearly or may move slowly. Pictures may not be synchronized with the sound or picture quality may decline in such environments.

On the volume setting

- Digital devices produce very little noise compared with other sources. Lower the volume before playing these digital sources to avoid damaging the speakers by sudden increase of the output level.

The marking of products using lasers

The label is attached to the chassis/case and says that the component uses laser beams that have been classified as Class 1. It means that the unit is utilizing laser beams that are of a weaker class. There is no danger of hazardous radiation outside the unit.

Important Notice

For KW-V250BTM Region 2:

For Turkey

Bu ürün 28300 sayılı Resmi Gazete'de yayımlanan Atik Elektrikli ve Elektronik Eşyalarin Kontrolü Yönetmeliğe uygun olarak üretilmiştir.

Eski Elektrik ve Elektronik Ekipmanların İmha Edilmesi Hakkında Bilgi (ayrı atık toplama sistemlerini kullanan ülkeleri için uygulanabilir)

Sembollü (üzerinde çarpı işareti olan çöp kutusu) ürünler ev atıkları olarak atılamaz. Eski elektrik ve elektronik ekipmanlar, bu ürünleri ve ürün atıklarını geri dönüştürebilecek bir tesiste değerlendirilmelidir. Yaşadığınız bölgeye en yakın geri dönüşüm tesisinin yerini öğrenmek için yerel makamlara müracaat edin. Uygun geri dönüşüm ve atık imha yöntemi sağlığımız ve çevremiz üzerindeki zararlı etkileri önlerken kaynakların korunmasına da yardımcı olacaktır.

For KW-V250BTM Region 2:

CE

Declaration of Conformity with regard to the RE Directive 2014/53/EU
Declaration of Conformity with regard to the RoHS Directive 2011/65/EU
Manufacturer:
JVC KENWOOD Corporation
3-12, Moriya-cho, Kanagawa-ku, Yokohama-shi, Kanagawa, 221-0022, Japan
EU Representative:
JVCKENWOOD Europe B.V.
Amsterdamseweg 37, 1422 AC UITHOORN, THE NETHERLANDS

English

Hereby, JVCKENWOOD declares that the radio equipment "KW-V250BTM" is in compliance with Directive 2014/53/EU.
The full text of the EU declaration of conformity is available at the following internet address:
http://www.jvc.net/cs/car/eudoc/

RE 2014/53/EU Direktifi uyarınca Uygunluk Beyanı
RoHS Yönergesi 2011/65/EU'ya göre Uygunluk Bildirimi
Üretici:
JVC KENWOOD Corporation
3-12, Moriya-cho, Kanagawa-ku, Yokohama-shi, Kanagawa, 221-0022, Japan
AB Temsilcisi:
JVCKENWOOD Europe B.V.
Amsterdamseweg 37, 1422 AC UITHOORN, THE NETHERLANDS

Turkish

Burada, JVCKENWOOD "KW-V250BTM" radyo ekipmanının 2014/53/AB Direktifine uygun olduğunu bildirir.
AB uyumluluk deklarasyonunun tam metni aşağıdaki internet adresinde mevcuttur.
http://www.jvc.net/cs/car/eudoc/

About this manual

The displays and panels shown in this manual are examples used to provide clear explanations of the operations. For this reason, they may be different from the actual displays or panels.

Illustrations of **KW-V250BT** are mainly used for explanation.

The region code of a particular model will only be stated if only one of the regions supports the particular feature with the same model name.

This manual mainly explains operations using the buttons on the monitor panel and keys on the touch panel. For operations using the remote controller, see page 36.

< > indicates the various screens/menus/operations/settings that appear on the touch panel.

[ ] indicates the keys on the touch panel.

Indication language: English indications are used for the purpose of explanation. You can select the indication language from the **<Settings>** menu. (Page 27)

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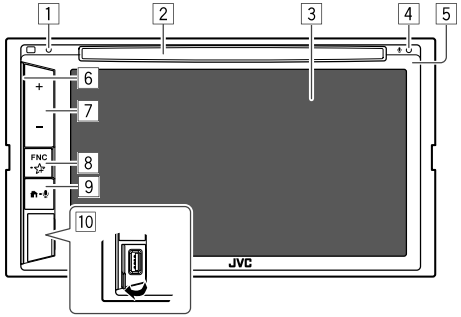
Component Names and Operations



1 Reset button
2 Loading slot
3 Screen (touch panel)
4 Built-in microphone*
- You can also connect an external microphone to the unit (page 40). For details, contact the store where you purchase this unit.
- See also **<MIC SETUP>** on page 26.

5 Monitor panel
6 Illumination bar
The brightness of the illumination changes according to the music level. (Page 31)
7 Volume **+**/**–** buttons
8 **FNC**-☆ button
- **FNC** (Press, blink once): Pops up the short-cut menu. (Page 7)
- ☆ (Hold, blink twice): Enters favorite setting. Default: Displays **<Sound Effect>** screen. (Page 28)

9 🏠-🎤 button
- 🏠 (Press): Turns on the power.
- 🏠 (Press): Displays the Home screen while the power is on.
- 🎤 (Hold): Activates the voice dialing.

10 USB input terminal

* Only for KW-V250BT Region 3.

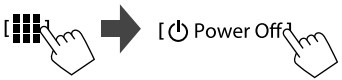
Basic Operations

How to reset your unit

If the unit fails to operate properly, press the reset button.

Turning on the power

Turning off the power



Turning off the AV source

1 Display the source/option selection screen.
On the Home screen, touch as follows:

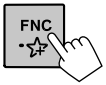
Getting Started

2 Turn off the AV source.
On the source/option selection screen, touch as follows:

[AV OFF]

Turning off the screen and button illumination

1 Display the pop-up short-cut menu.

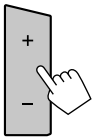


2 On the pop-up short-cut menu, touch as follows:

[⊐- ⊠]

To turn on the screen and button illumination:
Press **FNC** on the monitor panel or touch the screen.

Adjusting the volume

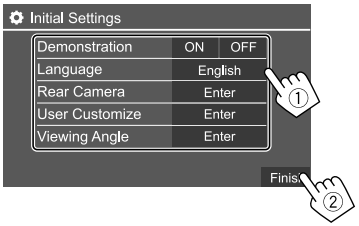


You can adjust the volume (00 to 35) by pressing **+** to increase and pressing **–** to decrease.
- Holding **+** increases the volume continuously to level 15.

Initial settings

When you power on the unit for the first time or reset the unit, the **<Initial Settings>** screen appears.

Perform the initial settings.



Once completed, the Home screen appears.

<Demonstration>
- **ON** (Initial): Activates the display demonstration.
- **OFF**: Deactivates the display demonstration.

<Language>
Select the text language used for on-screen information.
- **English** (Initial)/**Español/Français/Deutsch/Italiano/Nederlands/Ελληνικά/Português/Türkçe/Čeština/Polski/Magyar/Русский/עברית/**فارسی**/العربية/ภาษาไทย/简体中文/繁體中文/Bahasa Malaysia/Bahasa Indonesia/한국어**
  – For external monitors, only English/Spanish/French/German/Italian/Dutch/Russian/Portuguese are available. If another language has been selected, the text language for external monitors will be set to English.
- **GUI Language** (**Local** (the language selected above) (Initial)/**English**): Selects the language used for displaying operation keys and menu items.

<Rear Camera> (Page 32)
Make the settings to display the picture from the connected rear view camera.

<User Customize> (Page 30)
Change the display design.

<Viewing Angle> (Page 32)
Select the viewing angle in relation to the monitor to make the image on the screen easier to see.
- **Under 0°** (Initial)**/5°/10°/15°/20°**

Clock settings

1 Display the Home screen.

2 Display the <Clock> screen.

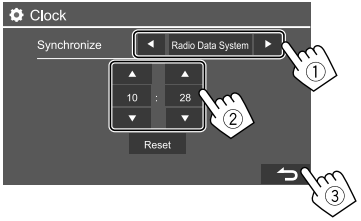
On the Home screen, touch as follows:

[ ]

Then, on the **<Settings>** screen, touch as follows:
[System] → **<Clock>** : **[Enter]**

- You can also display the **<Clock>** screen by touching the clock area on the Home screen.

3 Set the clock time.



<Synchronize>

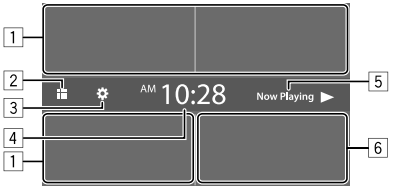
- **Radio Data System** (Initial): Synchronizes the clock time with FM Radio Data System.
- **Off**: Sets the clock manually. Touch **[▲]**/**[▼]** to adjust the hour, then minute.
  – Touching **[Reset]** will set the minute to "00".

Various Screens and Operations

You can display or change to other screens at any time to show information, change the AV source, change the settings, etc.

Home screen

- You can customize the Home screen. (Page 32)
- To display the Home screen from other screens, press .



Touching the operation keys performs the following actions:

1 Selects or changes the playback source.
2 Displays all playback sources and options.
3 Displays the **<Settings>** screen.
4 Displays the **<Clock>** screen.
5 Displays the current playing source control screen.
6 Displays the phone control screen.

Available playback sources and options

Touch 2 to display the source/option selection screen.

E.g. Source/option selection screen for KW-V250BT Region 3

Touching the operation keys performs the following actions:

[Tuner]	Switches to the radio broadcast.
[Disc]	Plays a disc.
[USB]	Plays files on a USB device.
[iPod]	Plays an iPod/iPhone.
[Android™]	Plays an Android device.
[AV-IN]	Switches to an external component connected to the AV-IN input terminal.
[BT Audio]	Plays a Bluetooth audio player.
[Spotify]	Switches to the Spotify application.
[NAV]*	Displays the navigation screen.
[AV Off]	Turns off the AV source.
[Home]	Displays the Home screen.
[Setup]	Displays the **<Settings>** screen.
[⏻ Power Off]	Turns off the power.
[Camera]	Switches to the camera connected to the rear view camera input.
[Now Playing]	Displays the source currently played back.

* Only for KW-V250BT Region 3/KW-V250BTM Region 2: Selectable only when <Input> is set to [RGB] in <Navigation> screen (page 33).

To return to the Home screen

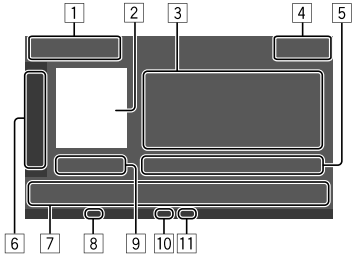
Touch **[HOME]** on the source/option selection screen.

Source control screen

You can perform the playback operation from the source control screen during playback.

- The operation keys and information displayed vary depending on the selected source/disc type/file type being played.
- If the operation keys are not displayed on the screen, touch the screen to show them.

E.g. Common audio playback source screen:



1 Playback source or media type
2 Picture/artwork (shown if the file contains the information)
3 Track/file/song/video information
   - Touching **[◀]** scrolls the text if not all of the text is shown.
4 Clock display
5 Current playback item information (folder no./file no./track no./total track no./playback file type)
6 Displays/hides other available operation keys*
7 Operation keys*
8 IN indicator (lights up while a disc is inserted)
9 Playing time/playback status
10 Playback mode indicator (Repeat/Random)
11 File type indicator

* See "Common operation keys on source control screen" on page 7.

Common operation keys on source control screen

- The appearance of the operation keys may differ, however the similar operation keys have the same operations.
- Available operation keys differ depending on the selected source or connected device.

Touching the operation keys performs the following actions:

6

[▶]	Displays other available operation keys besides those shown on 7. • To hide the window, touch [◀].
[ ][ ]	Selects a folder.
[ ]	Selects repeat playback mode.*
[■]	Stops playback.
[MODE]	Displays the setting screen of the current playback source.

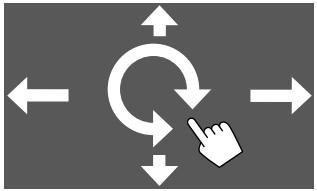
7

[ ]	Displays the **<Equalizer>** screen. (Page 27)
[ ]	Displays the folder list/track list/audio menu/video menu.
[◀◀]/[▶▶]	• (Touch) Selects an item (chapter/folder/track/audio file/video file). • (Hold) Reverses/forwards search. • (Hold) Plays in slow-motion while paused for video playback.
[▶❚❚]	Starts/pauses playback.
[ ]	Selects random playback mode.*

* About playback mode:
- Available playback modes differ depending on the source, disc type, connected device, etc.
- You cannot activate repeat playback mode and random playback mode at the same time.
- To cancel the playback mode, touch repeatedly until the indicator disappears.

Using gesture control

You can also control playback by moving your finger on the touch panel as follows (for some sources, the gesture control is not available).

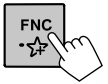


- **Sliding the finger up/down:**
  Selects a folder.
- **Sliding the finger left/right:**
  Selects an item (chapter/track/audio file/video file).
- **Moving your finger clockwise/counterclockwise:**
  Increases/decreases the volume.

Using the pop-up short-cut menu

While displaying the source control screen, you can jump to another screen by touching the operation keys on the pop-up short-cut menu.

1 Display the pop-up short-cut menu.



2 Select an item to jump to by touching as follows.

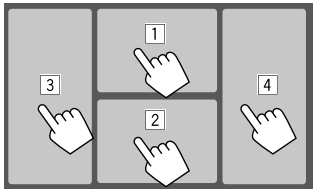
[▲]	Ejects the disc from loading slot.
[-]	• (Touch) Switches the screen. • (Hold) Turns off the screen.
[ ]*	Displays the **<Settings>** screen. (Page 27)
[ ]*	Displays the **<User Customize>** screen and you can change the background design. (Page 30)
[ ]*	Displays the **<Screen Adjustment>** screen. (Page 32)
[ ]*	Displays the picture from the connected rear view camera.

* You can customize these pop-up short-cut menu. For details, see <Key Customize> on page 36.

To close the pop-up menu

Press **FNC** on the monitor panel.

Using touch screen operation during playback



Touching the areas performs the following actions:

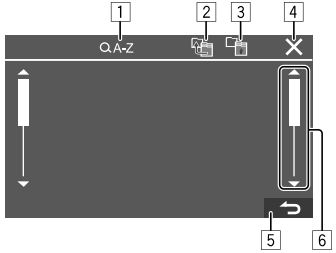
1 Displays the video control menu while playing a video.
2 While playing a video: Displays the source control screen.
While playing an audio file: Displays the playback operation keys.
3 Goes to the previous chapter/track.*
4 Goes to the next chapter/track.*

* Not available for video from an external component (AV-IN).

List/setting screen

Below are the common operation keys which appear on the list/setting screen.

- The appearance of the operation keys may differ, however the similar operation keys have the same operations.
- Available operation keys differ depending on the setting screens. Not all these operation keys are shown on every screen.



Touching the operation keys performs the following actions:

1 Enters alphabet search* to list the items in alphabetical order. When a keypad appears, touch the first letter you want to search for.
- For "USB" source, you can switch between the folder list and file list by touching **[ ]** or **[ ]**. Then, touch **[OK]** to start searching.

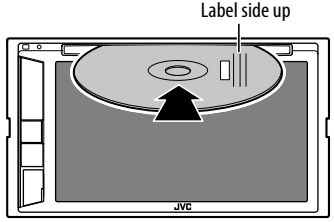
2 Returns to the root folder.
3 Returns to the upper layer.
4 Closes the current screen.
5 Exits from the current screen or returns to the previous screen.
6 Changes the page to display more items.

* Alphabet search is not available:
– For Android source
– When the playlist is selected

Disc

- If a disc does not have a disc menu, all tracks on it will be played repeatedly until you change the source or eject the disc.
- For playable disc types, file types and other information, see pages 42 and 43.
- If "⃠" appears on the screen, the unit cannot accept the operation you have tried to do.
  – In some cases, without showing "⃠", operations will not be accepted.
- When playing back a multi-channel encoded disc, the multi-channel signals are downmixed.

Inserting a disc

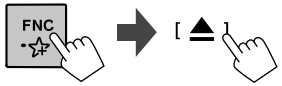


The source changes to "DISC" and playback starts.

- The IN indicator lights up while a disc is inserted.

Ejecting a disc

Display the pop-up short-cut menu, then eject the disc.



- When removing a disc, pull it out horizontally.
- You can eject a disc while playing another AV source.
- If the ejected disc is not removed within 15 seconds, the disc is automatically inserted again into the loading slot to protect it from dust.

Playback operations

Audio playback information and key operation

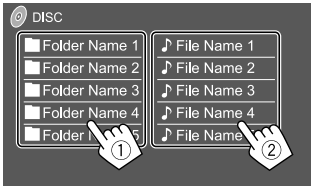
- For playback information, see "Source control screen" on page 6.
- For key operations on the touch panel, see "Common operation keys on source control screen" on page 7.

Selecting a folder/track on the list

1 Display the folder/track list.

On the source control screen, touch as follows:

2 Select the folder (①), then the item (②) in the selected folder.



Select an item in each layer until you reach and select the desired file.

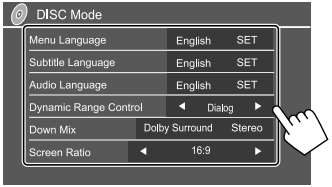
Settings for disc playback

- Available items shown on the **<DISC Mode>** screen differ depending on the type of disc/file being played back.

1 Display the <DISC Mode> screen.

On the source control screen, touch as follows:

2 Make the settings.



<Menu Language>*1
Select the initial disc menu language. (Initial: **English**)

<Subtitle Language>*1
Select the initial subtitle language or turn subtitles off (**Off**). (Initial: **English**)

<Audio Language>*1
Select the initial audio language. (Initial: **English**)

<Dynamic Range Control>
You can change the dynamic range while playing Dolby Audio encoded discs.

- **Wide**: Reproduces powerful sound at a low volume level with its full dynamic range.
- **Normal**: Reduces the dynamic range a little.
- **Dialog** (Initial): Reproduces movie dialog more clearly.

<Down Mix>
When playing back a multi-channel disc, this setting affects the signals reproduced through the front and/or rear speakers.
- **Dolby Surround**: Reproduces multi-channel surround sound by connecting an amplifier compatible with Dolby Surround.
- **Stereo** (Initial): Reproduces stereo playback sound.

<Screen Ratio>
Select the monitor type to watch a wide screen picture on the external monitor.

16:9 (Initial) **4:3 LB** **4:3 PS**

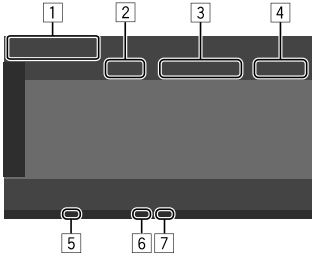
<File Type>*2
Select the playback file type when a disc contains different types of files.
- **Audio**: Plays back audio files.
- **Still image**: Plays back still picture files.
- **Video**: Plays back video files.
- **Audio&Video** (Initial): Plays back audio files and video files.

*1 For list of language codes, see page 43.
*2 For playable file types, see page 42.
If the disc contains no files of the selected type, the existing files are played in the following priority: audio, video, then still picture. You can change these settings only while playback is stopped.

Video

Playback operations

Video playback information on the source control screen



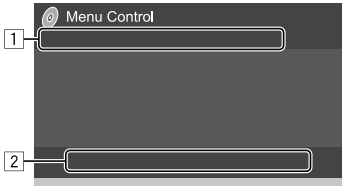
E.g. Video playback source control screen

1 Media type
2 Playback status
3 Current playback item information (title no./chapter no./folder no./file no./track no.)
4 Playing time
5 IN indicator (lights up while a disc is inserted)
6 Playback mode indicator (Repeat/Random)
7 File type indicator

Video menu control operations

You can display the video menu control during video playback.
- Available operation keys differ depending on the selected disc type and file type.

Video playback except VCD



E.g. Video menu control screen

Touching the operation keys performs the following actions:

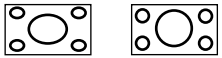
1

[ ]*1 Displays the picture size selection screen.
① Touch **[Zoom]** to change the magnification level of the picture (**Zoom1**, **Zoom2**, **Zoom3**, **Full**: Initial).
② Touch **[▲] [▼] [◀] [▶]** to move the zooming frame.

[ ] Displays the aspect ratio selection screen.
Touch **[Aspect]** to select the aspect ratio.

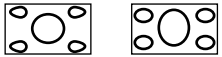
<Full>*2: For 16:9 original pictures

4:3 signal 16:9 signal



<Just>: For viewing 4:3 pictures naturally on the wide screen

4:3 signal 16:9 signal



<Normal>*2: For 4:3 original pictures

4:3 signal 16:9 signal

<Auto>: For "DISC" source and "USB" source only: The aspect ratio is automatically selected to match the incoming signals.

[ ] Displays the picture adjustment screen.
① Touch **[DIM ON]** or **[DIM OFF]** to turn on or off the dimmer.
② Touch **[+]**/**[–]** to adjust the other items.

- **<Bright>**: Adjusts the brightness (–15 to +15).
- **<Contrast>**: Adjusts the contrast (–10 to +10).
- **<Black>**: Adjusts the blackness (–10 to +10).
- **<Color>**: Adjusts the color (–10 to +10).
- **<Tint>**: Adjusts the tint (–10 to +10).
- **<Sharpness>**: Adjusts the sharpness (–2 to +2).

[ ] Selects the audio type.

[ ] Selects the subtitle type.

[ ] Selects the view angle.

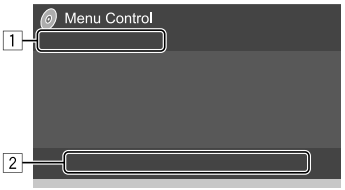
*1 When [ ] is set to <Just> or <Auto>, the picture is zoomed with the aspect ratio of the <Full> setting.
This feature may not be used for some video sources.

*2 While DivX is played back with <Screen Ratio> set to [16:9] (Page 10 for discs/Page 13 for USB), the aspect ratio may not be set correctly.

2

[MENU]	Displays the disc menu (DVD).
[T MENU]	Displays the disc menu (DVD).
[ ]	Switches to the direct disc menu mode. Touch the target item to select.
[ ]	Displays the menu/scene selection screen. • **[▲] [▼] [◀] [▶]**: Selects an item. • **[Enter]**: Confirms the selection. • **[Return]**: Returns to the previous screen.

Video playback for VCD



E.g. Video menu control screen

Video

Touching the operation keys performs the following actions:

1	
[ ]	Refer to "Video playback except VCD" on page 10.
[ ]	
[ ]	

2	
[MENU]	Displays the disc menu.
[ ]	Selects the audio channel (**ST**: stereo, **L**: left, **R**: right).
[ ]*	Displays or hides the direct selection keys. ① Touch **[DIR/CLR]** to select a track directly on a VCD. ② Touch the numbers (**[0]**, **[1]** to **[9]**) to select the desired track. ③ Touch **[Enter]** to confirm. To delete the last entry, touch **[DIR/CLR]**.
[Return]	Displays the previous screen or menu.

* You need to stop playback to deactivate the PBC function when playing a VCD with PBC activated.

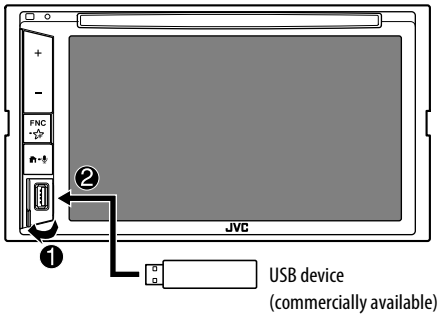
USB

You can connect a USB mass storage class device such as a USB memory, digital audio player, etc. to the unit.

- For playable file types and other information, see pages 42 and 44.
- You cannot connect a PC or portable HDD to the USB input terminal.
- You cannot connect a USB device via a USB hub.

Connecting a USB device

On the monitor panel



The source changes to "USB" and playback starts.

- All tracks in the USB device will be played repeatedly until you change the source or disconnect the USB device.

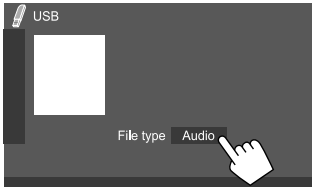
Playback operations

Playback information and key operation

- For playback information, see "Source control screen" on page 6.
- For key operations on the touch panel, see "Common operation keys on source control screen" on page 7.

Selecting the file type to play

You can specify the file type to play.



E.g. USB source control screen

Select the file type as follows:

[Audio]	Plays back audio files.
[Video]	Plays back video files.
[Photo]	Plays back still picture files.

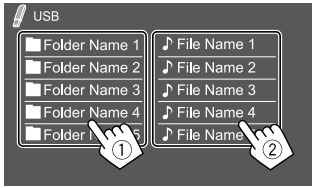
If the USB device contains no files of the selected type, the existing files are played in the following priority: audio, video, then still picture. You can change these settings only while playback is stopped.

Selecting a folder/track on the list

1 Display the folder/track list.
On the source control screen, touch as follows:

[Q]

2 Select the folder (①), then the item (②) in the selected folder.



E.g. USB list screen

Select an item in each layer until you reach and select the desired file.

Selecting a folder/track using alphabet search

(Applicable only for audio file type)
You can search for a folder or an audio file by entering the first letter you want to search for.

1 Select the list (folder or track) to search.
On the USB list screen, touch as follows:

[Q A-Z] ➡ [■]/[♪]

- [■]: Folder list
- [♪]: Track list

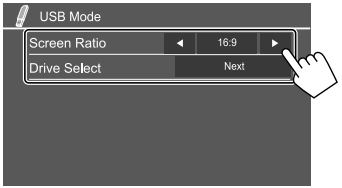
2 Enter the alphabet to search.
Touch the first letter you want to search for, then touch **[OK]**.

Settings for USB playback

1 Display the <USB Mode> screen.
On the source control screen, touch as follows:

[▶] ➡ [MODE]

2 Make the settings.



<Screen Ratio>
Select the monitor type to watch a wide screen picture on the external monitor.

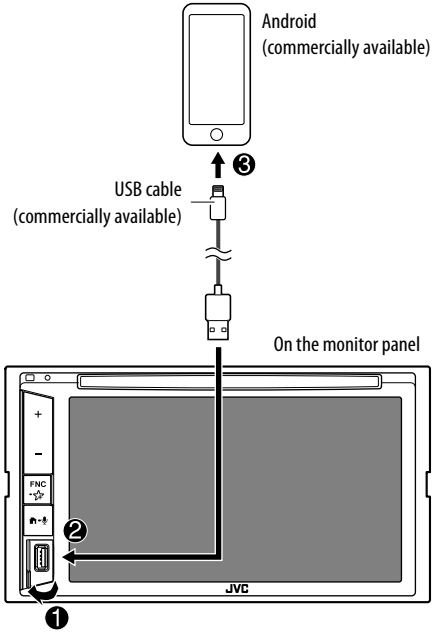
16:9 (Initial) **4:3 LB** **4:3 PS**

<Drive Select>
- **Next**: Switch between internal memory and the memory source of the connected device (such as a mobile phone).

Android

Connecting an Android device

This unit supports Android OS 4.1 and above.

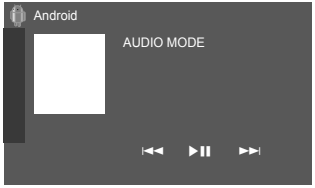


When connecting an Android device, "AUDIO MODE" is shown. You can control Android device using a media player application installed in the Android device.

Android

Playback operations

Playback information and key operation



E.g. Android source control screen

Touching the operation keys performs the following actions:

[⏮]/[⏭]	Selects an audio file.
[▶❚❚]	Starts/pauses playback.

iPod/iPhone

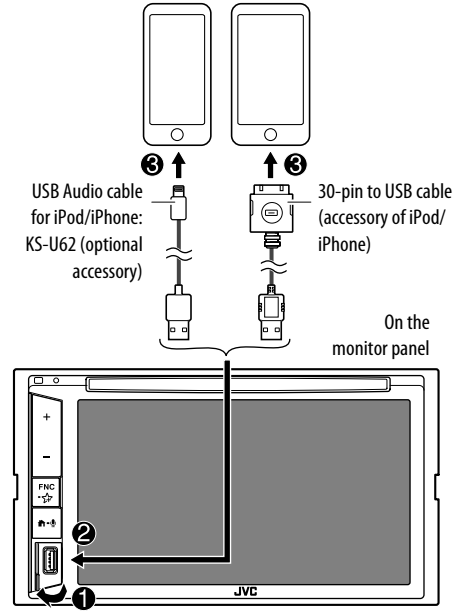
Connecting an iPod/iPhone

- For playable iPod/iPhone types and other information, see page 44.
- You cannot watch video.

Wired connection

iPod/iPhone Lightning model (commercially available)

iPod/iPhone 30-pin connector model (commercially available)



The source changes to "iPod" and playback starts.

Bluetooth connection

Pair the iPod/iPhone with this unit via Bluetooth. (Page 21)

Selecting the playback device via the connection method

See **<Smartphone Setup>** on page 33 for more information.

Playback operations

Playback information and key operation

- For playback information, see "Source control screen" on page 6.
- For key operations on the touch panel, see "Common operation keys on source control screen" on page 7.

Additional keys operations: Touching the operation keys performs the following actions.

[Bluetooth/Smartphone]	Switches the device on the **<Smartphone Setup>** screen. (Page 33)

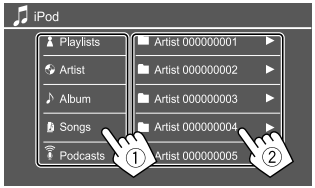
Selecting an audio file from the menu

1 Display the audio menu.

On the source control screen, touch as follows:

[🔍]

2 Select a category (①), then select a desired item (②).



Select an item in each layer until you reach and select the desired file.

- Available categories differ depending on the type of iPod/iPhone.

Settings for iPod/iPhone playback

1 Display the <iPod Mode> screen.

On the source control screen, touch as follows:

2 Make the settings.

<Artwork>

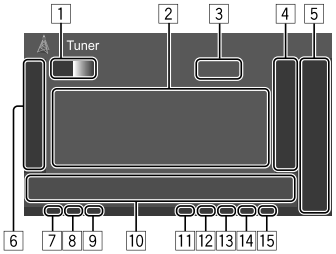
- **ON** (Initial): Shows the artworks of the playing files.
- **OFF**: Hides the artworks of the playing files.

Tuner

Listening to the radio

The unit switches to FM alarm scene automatically when receiving an alarm signal from FM broadcast.

Playback information on the source control screen



1 Selects the band (AM/FM1/FM2/FM3)
2 Text information
- Touching **[◀]** scrolls the text if not all of the text is shown.
- Touching **[Radio Text]** switches the information between Radio Text, Radio Text Plus and PTY code.

3 Current station frequency
4 Displays the preset stations window (Page 17)
- To hide the window, touch **[▶]**.

5 **[P1]** – **[P5]**
- (Touch) Selects a preset station.
- (Hold) Presets the current station.

6 Displays/hides other available operation keys*
7 NEWS indicator
8 AF indicator
9 TI indicator
10 Operation keys*
11 ST/MONO indicator
The ST indicator lights up when receiving an FM stereo broadcast with sufficient signal strength.
12 Seek mode indicator
13 LO.S indicator
14 RDS indicator
15 EON indicator
The EON indicator lights up when a Radio Data System station is sending EON signals.

* See the following "Operation keys on source control screen".

Operation keys on source control screen

- The appearance of the operation keys may differ, however the similar operation keys have the same operations.
- See also "Common operation keys on source control screen" on page 7.

Touching the operation keys performs the following actions:

6

[SSM]*1	(Hold) Presets stations automatically.
[MONO]*1	Activates monaural mode for better FM reception (stereo effect will be lost). • The MONO indicator lights up while monaural mode is activated. • To deactivate, touch **[MONO]** again.
[TI]*1	(For FM RDS features) Activates TI standby reception mode. • When TI is activated, the unit is ready to switch to traffic information if available. The TI indicator lights up in white. • If the TI indicator lights up in orange, tune into another station providing Radio Data System signals. • The volume adjustment for Traffic Information is automatically memorized. The next time the unit switches to Traffic Information, the volume is set to the memorized level. • To deactivate, touch **[TI]** again.
[MODE]*1	Change the settings for the selected tuner reception on **<Tuner Mode>** screen. (Page 17)

10

[PTY]*1*2	(For FM RDS features) Enters PTY search mode. ① Touch **[PTY]**. ② Touch and hold a PTY code to search for. If there is a station broadcasting a program of the same PTY code as you have selected, that station is tuned in.
[SEEK]	Changes the seek mode for **[I◄◄]/[►►I]**. • **AUTO1** (Initial): Auto search • **AUTO2**: Tunes in preset stations one after another • **MANU**: Manual search
[I◄◄]/[►►I]	Searches for a station. • The search method differs depending on the selected seek mode (see above).

*1 Appears only when FM is selected as the source.

*2 Only English/Spanish/French/German/Dutch/ Portuguese are available for the text language here. If another language has been selected in <Language> (Page 33), the text language is set to English.

Presetting stations in the memory

You can preset five stations for each band.

Automatic presetting — SSM (Strong-station Sequential Memory) (for FM only)

On the source control screen, touch as follows:

The local stations with the strong signals are found and stored automatically.

Manual presetting

1 Tune in to a station you want to preset.

[I◄◄] / [►►I]

2 Select a preset number to store into.

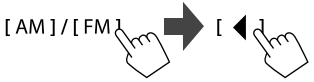
E.g. Tuner source control screen

The station selected in step 1 is stored into the preset number **[P1]** to **[P5]** you have selected.

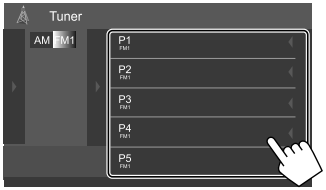
Selecting a preset station

1 Select the band, then display the preset station window.

On the source control screen, touch as follows:



2 Select a preset station.



E.g. Preset station window

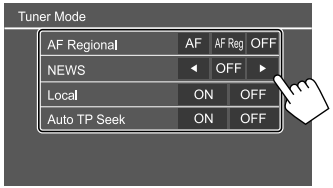
To hide the window: Touch **[▶]**.

Settings for other FM Radio Data System features

1 Display the <Tuner Mode> screen.

On the source control screen, touch as follows:

2 Make the settings.



<AF Regional>

When driving in an area where FM reception is not sufficient enough, this unit automatically tunes in to another FM Radio Data System station of the same network, possibly broadcasting the same program with stronger signals— Network-Tracking Reception.

Select the Network-Tracking Reception mode.

- **AF**: Switches to another station. The program may differ from the one currently received. The AF indicator lights up.
- **AF Reg**: Switches to another station broadcasting the same program. The AF indicator lights up.
- **OFF** (Initial): Deactivates the function.

The RDS indicator lights up when the Network-Tracking Reception is activated and an FM Radio Data System station is found.

<NEWS>*

- **00min** to **90min**: Activates News Standby Reception by selecting the period of time to disable the interruption. The NEWS indicator lights up.
- **OFF** (Initial): Deactivates the function.

<Local>

- **ON**: Tunes in only to FM stations with sufficient signal strength. The LO.S indicator lights up.
- **OFF** (Initial): Deactivates the function.

<Auto TP Seek>

- **ON** (Initial): Automatically searches for a station with better reception for traffic information if the current reception of current station is poor.
- **OFF**: Deactivates the function.

* The volume adjustment for Traffic Information is automatically memorized. The next time the unit switches to Traffic Information, the volume is set to the previous level.

Spotify

With Spotify, your music is everywhere. Working out, partying or relaxing, the right music is always at your fingertips. There are millions of songs on Spotify—from old favorites to the latest hits. Just choose the music you love, or let Spotify surprise you.

You can stream Spotify from iPhone/iPod touch or Android devices.

- Because Spotify is a third-party service, the specifications are subject to change without prior notice. Accordingly, compatibility may be impaired or some or all of the services may become unavailable.
- Some functions of Spotify cannot be operated from this unit.
- For issues using the application, contact Spotify at <www.spotify.com>.

Preparation

Installing the application

Your smartphone must have built in Bluetooth and the following profiles must be supported:

- SPP (Serial Port Profile)
- A2DP (Advanced Audio Distribution Profile)

Establish an Internet connection using LTE, 3G, EDGE, or WiFi.

Ensure you are logged in to your smartphone application. If you do not have an Spotify account, you can create one for free from your smartphone or at <www.spotify.com>.

Install the latest version of the Spotify application on your smartphone.

- For Android devices: Search for "Spotify" in Google Play to find and install the most recent version.
- For iPhone/iPod touch: Search for "Spotify" in the Apple iTunes App Store to find and install the most recent version.

Connecting the device

For Android devices

Pair the Android device with this unit via Bluetooth. (Page 21)

For iPhone/iPod touch

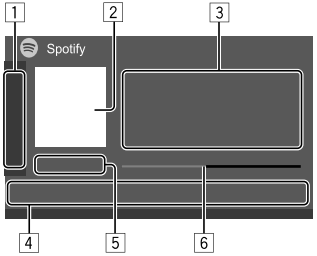
- Via USB input terminal: Connect iPhone/iPod touch with the cable. (Page 14)
  - For Lightning models: Use KS-U62 (optional accessory).
  - For 30-pin connector models: Use 30-pin to USB cable (accessory of iPod/iPhone).
- Via Bluetooth: Pair the iPhone/iPod touch with this unit. (Page 21)

Selecting the device

For selecting the playback device via the connection method to use, see **<Smartphone Setup>** on page 33.

Playback operations

Playback information and key operation



You can also operate Spotify with a remote controller, RM-RK258*1.

You can only control play, pause and skip with the remote controller.

1 Displays/hides other available operation keys*2
2 Picture data
3 Track information
   - Touching **[◀]** scrolls the text if not all of the text is shown.
   - Touching **[🎤]/[⊙]** changes the displayed information between artist (🎤) and album (⊙).
4 Operation keys*2
5 Playing time/playback status
6 Progress bar

*1 For KW-V250BT Region 4: Purchase optionally remote controller, RM-RK258.

*2 See "Operation keys on source control screen" on page 19.

Operation keys on source control screen

- The appearance of the operation keys may differ, however the similar operation keys have the same operations.
- See also "Common operation keys on source control screen" on page 7.

Touching the operation keys performs the following actions:

1

[👎]*1	Thumbs down to the current track and skips to the next track.
[👍]*1	Registers the current track as a favorite.
[🔀]*2*3	Activates/deactivates shuffle playback mode.
[🔁]*2	Repeats all tracks/cancels the repeat playback.
[🔂]*2*3	Repeats the current track/cancels the repeat playback.
[((+))]	Creates a new station.
[📱 / 📱]	Switches the device on the **<Smartphone Setup>** screen. (Page 33)

4

[☰]	Displays the Spotify menu screen.
[⏮]*3[⏭]	Selects a track.
[▶][⏸]	Starts (▶)/pauses (❚❚) playback.
[+]	Saves the current track/artist to **<Your Library>**.

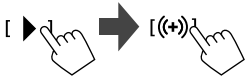
*1 Not available for tracks in a playlist.
*2 Not available for tracks in the Radio.
*3 Available only for premium account users.

Creating your station (Start Radio)

Start Radio is to start a radio channel based on the currently played track.

Create your station.

On the source control screen, touch as follows:



Station is created and playback starts automatically.

- You can personalize your station using thumb up ([👍]) or thumb down ([👎]).
  - You cannot thumb up or down while playing tracks in a playlist.
  - Personalizing stations may not be available depending on the track.

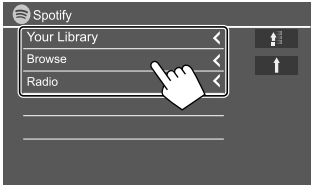
Selecting a track

1 Display the Spotify menu screen.

On the source control screen, touch as follows:

2 Select the list type, then select a desired item.

The list types displayed differ depending on the information sent from Spotify.



- To return to the top layer, touch [⏫].
- To return to the upper layer, touch [⬆].

Other External Components

AV-IN

Connecting an external component

See page 40 for more information.

Starting playback

1 Select "AV-IN" as the source.

2 Turn on the connected component and start playing the source.

Changing the AV-IN name

You can change the AV-IN name displayed on the source control screen.

- This setting does not affect the source name displayed on the Home screen.

1 Display the <VIDEO Mode> screen.

On the source control screen, touch as follows:

[MODE]

2 Select an AV-IN name.

Rear view camera

Install the rear view camera (separately purchased) in the appropriate position according to the instructions supplied with the rear view camera.

Connecting a rear view camera

See page 40 for more information.

- To use the rear view camera, a reverse lead (REVERSE) connection is required. (Page 41)

Using the rear view camera

- For rear camera settings, see **<Rear Camera>** on page 32.

To display the rear view camera screen

The rear view screen is displayed by shifting the gear to the reverse (R) position when **<Rear Camera Interruption>** is set to **[ON]**. (Page 32)

- A caution message appears on the screen. To remove the caution message, touch the screen.

You can also display the picture from the rear view camera manually without shifting the gear to the reverse (R) position.

On the pop-up short-cut menu, touch as follows:

[ ]

Operations while the camera screen is displayed

To adjust the picture

Touch the area shown below.

Video menu control screen is displayed. For details, see "Video menu control operations" on page 10.

- To exit video menu control screen, touch the same area again.

To display parking guidelines

Set **<Parking Guidelines>** to **[ON]** (Page 32) or touch the area shown below.

- To close the parking guidelines, touch the same area again.

To exit the camera screen

Press ⌂ on the monitor panel or touch the area shown below.

Using an external navigation unit

(Only for KW-V250BT Region 3/KW-V250BTM Region 2)

You can connect an external navigation unit (commercially available) to the NAV input terminal so that you can view the navigation screen. (Page 40)

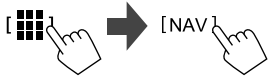
- The navigation guidance comes out of the front speakers even when you are listening to an audio source.

Viewing the navigation screen

- For settings, see **<Navigation>** on page 33.

Select "NAV" as the source.

On the Home screen, touch as follows:



- While the navigation screen is displayed, the touch panel operations are available only for navigation.
- The aspect ratio of the navigation screen is fixed to **<FULL>** regardless of the [ ] setting. (Page 12).

When receiving a call during navigation guidance

The screen is switched automatically. To return to the navigation screen, touch [ ] on the pop-up short-cut menu.

To exit the navigation screen

On the pop-up short-cut menu, touch [ ].

Bluetooth®

Information

Bluetooth is a short-range wireless radio communication technology for mobile devices such as mobile phones, portable PCs and other devices. Bluetooth devices can be connected without cables and communicate with each other.

Note

- While driving, do not perform complicated operations such as dialing numbers, using the phone book, etc. When you perform these operations, stop your car in a safe place.
- Some Bluetooth devices may not connect to this unit depending on the Bluetooth version of the device.
- This unit may not work for some Bluetooth devices.
- Connecting conditions may vary depending on your environment.
- For some Bluetooth devices, the device is disconnected when the unit is turned off.
- If your mobile phone supports PBAP (Phone Book Access Profile), you can display the following items on the touch panel when the mobile phone is connected.
  – Phone book
  – Dialed calls, received calls, and missed calls (up to 10 entries in total)

Preparation

For KW-V250BT Region 3:
Select the microphone (built-in or external) to use. See **<MIC SETUP>** on page 26.
For KW-V250BT Region 4/KW-V250BTM Region 2:
Connect and install the microphone beforehand. For details, see page 41.

Connection

When you connect a Bluetooth device to the unit for the first time:

① Register the device by pairing the unit and the device.
② Connect the device to the unit. (Page 22)

Registering a new Bluetooth device

Pairing allows Bluetooth devices to communicate with each other.

- The pairing method differs depending on the Bluetooth version of the device.
  – For devices with Bluetooth 2.1:
  You can pair the device and the unit using SSP (Secure Simple Pairing) which only requires confirmation.
  – For devices with Bluetooth 2.0:
  You need to enter a PIN code both on the device and unit for pairing.
- Once the connection is established, it is registered in the unit even if you reset the unit. Up to five devices can be registered in total.
- Two devices for Bluetooth phone and one for Bluetooth audio can be connected at a time. However, when "BT Audio" is selected as the source, you can connect up to five Bluetooth audio devices and switch between these five devices.
- To use the Bluetooth function, you need to turn on the Bluetooth function of the device.

Auto pairing
When **<Auto Pairing>** is set to **[ON]** (Page 26), iOS devices (such as iPhone) are automatically paired when connected via USB.

Pairing a Bluetooth device using SSP (for Bluetooth 2.1)
When the Bluetooth device is compatible with Bluetooth 2.1, a pairing request is sent from the available device.

1 Search for the unit ("JVC KW-V") from your Bluetooth device.

2 Confirm the request both on the device and the unit.
On the device:

On the unit:

To reject the request: Touch **[Cancel]**.

Pairing a Bluetooth device using a PIN code (for Bluetooth 2.0)

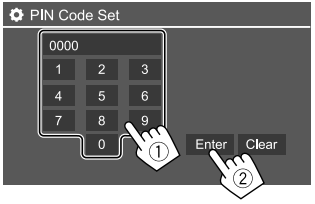
1 Display the <PIN Code Set> screen.
On the Home screen, touch as follows:

[⚙]

Then, on the **<Settings>** screen, touch as follows:
[System] → <Bluetooth Setup> : [Enter]

On the **<Bluetooth Setup>** screen, touch as follows:
<PIN Code> : [0000]

2 Change the PIN code.
If you wish to skip changing the PIN code, go to step 3.



- To delete the last entry, touch **[Clear]**.
- To delete the PIN code, touch and hold **[Clear]**.

3 Search for the unit ("JVC KW-V") from your Bluetooth device.

4 Select the unit ("JVC KW-V") on your Bluetooth device.
- If a PIN code is required, enter "0000" (initial) or the new PIN code you have entered in step 2.
- When pairing is completed, the device is registered on the **<Paired Device List>** screen.

Note
- The PIN code is initially set to "0000".
- The maximum number of digits of the PIN code is 15.

Connecting/disconnecting a registered Bluetooth device

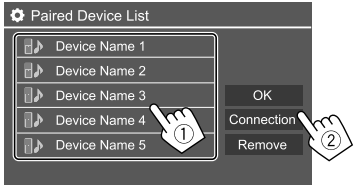
1 Display the <Paired Device List> screen.
On the Home screen, touch as follows:

[⚙]

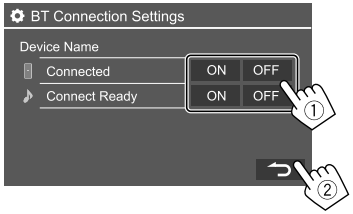
Then, on the **<Settings>** screen, touch as follows:
[System] → <Bluetooth Setup> : [Enter]

On the **<Bluetooth Setup>** screen, touch as follows:
<Paired Device List> : [Enter]

2 Select the device (①) you want to connect, then touch [Connection] (②).

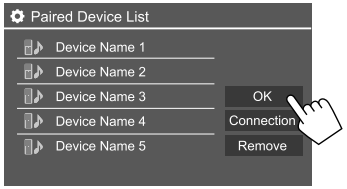


3 Select the device (①) to connect, then return to the <Paired Device List> (②).



Select **[ON]** (to connect) or **[OFF]** (to disconnect).
: Mobile phone
: Audio device

4 Connect the selected device.



- The status is shown as follows:
  <Connecting>: Connection is in progress.
  <Connected>: A connection has been established.
  <Connect Ready>: A connection is ready to be established.
  <Disconnecting>: Disconnection is in progress.
  <Disconnected>: No connection is established.
- When a Bluetooth mobile phone is connected, the signal strength and battery level are displayed when the information is acquired from the device.

To delete the registered device: Perform step 1, select the device you want to delete in step 2, then touch **[Remove]**.
- A confirmation message appears. Touch **[Yes]**.

Bluetooth mobile phone

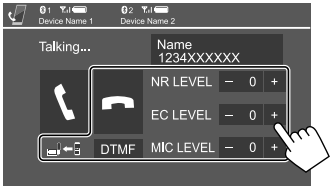
When a call comes in...

Touching the operation keys performs the following actions:

[ ]	Answers a call.
[ ]	Rejects a call.

- Call information is displayed if acquired.
- Phone operation is not available while the picture from the rear view camera is displayed.
- For KW-V250BT Region 3/KW-V250BTM Region 2: When receiving a call during navigation guidance, the screen is switched automatically.
  – To return to the navigation screen, touch **[ ]**.

During a call...



Touching the operation keys performs the following actions:

[ ]	Ends a call.
[ ] / [ ]	Switches between handsfree mode and phone mode.
[DTMF]	Enters DTMF (Dual Tone Multi Frequency), then sends text using the keypad.
NR LEVEL **[–] / [+]**	Adjusts the noise reduction level. (–5 to 5)
EC LEVEL **[–] / [+]**	Adjusts the echo volume level. (–5 to 5)
MIC LEVEL **[–] / [+]**	Adjusts the volume level of the microphone. (–10 to 10)

- Press the volume **+ / –** buttons on the monitor panel to adjust the volume of the call or earpiece.

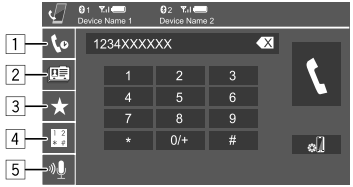
Making a call

1 Display the phone control screen.

On the Home screen, touch as follows:

[Phone]

2 Select a method to make a call.

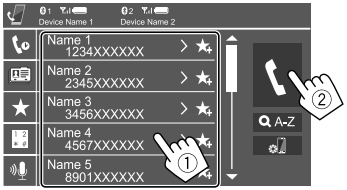


1 From the call history* (missed calls/received calls/dialed calls)
2 From the phone book*
3 From the preset list (Page 25)
4 Use direct number entry
5 Use voice dialling

* Applicable only for mobile phone compatible with PBAP (Phone Book Access Profile).

3 Select a contact (①), then make a call (②).

When item 1, 2 or 3 is selected in step 2:



To use alphabet search in the phone book

① Touch **[A-Z]**.
② Touch the first letter you want to search for on the keypad.
To search for a number, touch **[1,2,3...]**.
③ Select a contact you want to call from the list.

Phone book search results:
"Sort order", "display order" or any other equivalent settings of the phone may affect and show different search results (page display) of the phone book shown on the main unit.

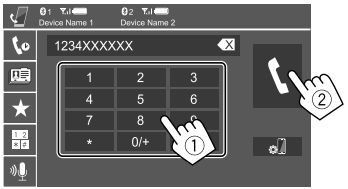
To display other phone numbers in the same contact

You can store up to 10 phone numbers per contact.

① Touch **[ ]**.
② Select a contact you want to call from the list.

When item 4 is selected in step 2:

Enter the phone number (①), then make a call (②).



- To enter "+", touch and hold **[0/+]**.
- To delete the last entry, touch **[ ]**.

When item 5 is selected in step 2:

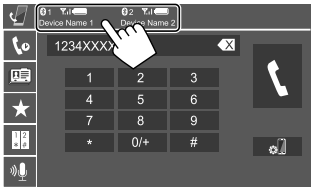
Say the name of the person you want to call.

- Available only when the connected mobile phone has a voice recognition system.
- If the unit cannot find the target, "Please speak into the microphone" appears. Touch **[Start]**, then say the name again.
- To cancel voice dialling, touch **[Cancel]**.

Switching between two connected devices

You can change the device to use when two devices are connected.

On the phone control screen:



The active device is highlighted.

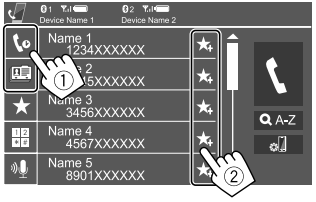
Presetting phone numbers

You can preset up to five phone numbers.

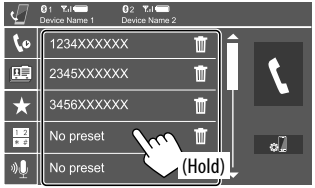
1 Display the phone control screen.
On the Home screen, touch as follows:

[Phone]

2 Select call history or phone book calling method (①), then select a contact (②) to preset.



3 Select a preset number to store into.

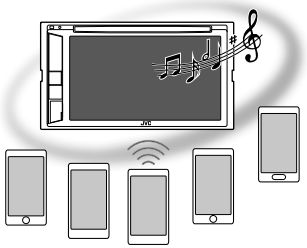


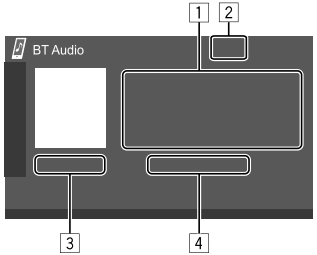
To delete the contact in the preset number: Touch [🗑] besides the contact on the preset list.

Bluetooth audio player

JVC Streaming DJ

When "BT Audio" is selected as the source, you can connect up to five Bluetooth audio devices at the same time. You can easily switch between these five devices by playing music from the device.





1 Tag data* (current track title/artist name/album title)
   • Pressing [◀] scrolls the text if not all of the text is shown.
2 Signal strength and battery level
   (Appear only when the information is acquired from the device.)
3 Playing time*/playback status*
4 Connected device name
   • Touching the device name switches to another connected Bluetooth audio device.

* Available only for devices compatible with AVRCP 1.3.

Playback information and key operation

- For playback information, see "Source control screen" on page 6.
- For key operations on the touch panel, see "Common operation keys on source control screen" on page 7.

Additional keys operations: Touching the operation keys performs the following actions.

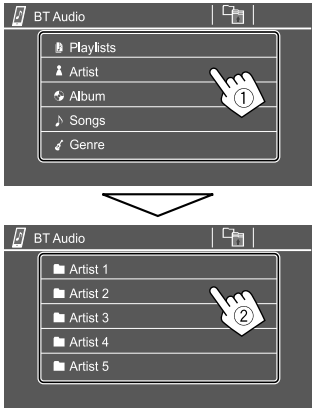
[⚙]	Displays **<Bluetooth Setup>** screen.

Selecting an audio file from the menu

1 Display the audio menu.
On the source control screen, touch as follows:

[Q]

2 Select a category (①), then select a desired item (②).



Select an item in each layer until you reach and select the desired file.

Bluetooth settings

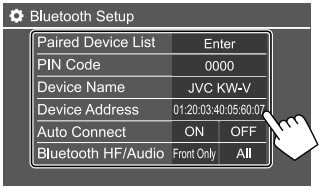
You can change various settings for using Bluetooth devices on the **<Bluetooth Setup>** screen.

1 Display the <Bluetooth Setup> screen.
On the Home screen, touch as follows:

[⚙]

Then, on the **<Settings>** screen, touch as follows:
[System] → <Bluetooth Setup> : [Enter]

2 Make the settings.



<Paired Device List>
Display the list of registered devices. You can connect a device or delete registered devices.

<PIN Code>
Change the PIN code of the unit.

<Device Name>
Show the device name of this unit to be shown on the Bluetooth device — **JVC KW-V**.

<Device Address>
Show the device address of the unit.

<Auto Connect>
- **ON** (Initial): Automatically establishes a connection with the last connected Bluetooth device when the unit is turned on.
- **OFF**: Cancels.

<Bluetooth HF/Audio>
Select the speakers used for Bluetooth mobile phones and Bluetooth audio players.
- **Front Only**: Front speakers only.
- **All** (Initial): All speakers.

<Auto Response>
- **ON**: The unit answers the incoming calls automatically in 5 seconds.
- **OFF** (Initial): The unit does not answer the calls automatically. Answer the calls manually.

<Auto Pairing>
- **ON** (Initial): Establishes pairing automatically with the iOS device (such as iPhone) connected via USB. (Auto pairing may not work for some devices depending on the iOS version.)
- **OFF**: Cancels.

<MIC SETUP> (only for KW-V250BT Region 3)
Select the microphone to use for Bluetooth mobile phone.
- **Built-in Mic** (Initial): Select this when using built-in microphone.
- **Ext. Mic**: Select this when using an external microphone connected to the microphone input (MIC) terminal on the rear panel.

<Initialize>
Touch and hold **[Enter]** to reset all settings you have made for using Bluetooth mobile phones and Bluetooth audio players.

Settings

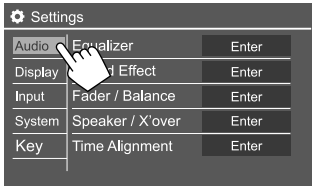
Audio settings

Display the <Audio> screen.

On the Home screen, touch as follows:

[ ]

Then, on the **<Settings>** screen, touch **[Audio]**.



E.g. Audio settings screen

You cannot change the **<Audio>** screen in the following situations:

- When the AV source is turned off.
- When the Bluetooth phone is used (making or receiving a call, during a call, or while voice dialling).
- During navigation guidance

<Equalizer>

The following adjustments are memorized for each source until you adjust the sound again. If the source is a disc, the adjustments are stored for each of the following categories.

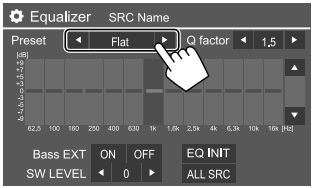
- DVD/VCD
- CD
- DivX/MPEG1/MPEG2/MP3/WMA/WAV/AAC/FLAC

You cannot adjust the sound when the unit is in standby.

Selecting a preset sound mode

Select a preset sound mode on the **<Equalizer>** screen.

- **Flat** (Initial)/**Hard Rock**/**Pop**/**Hip Hop**/**R&B**/**Jazz**/**Classical**/**drvn 3**/**drvn 2**/**drvn 1**/**User**

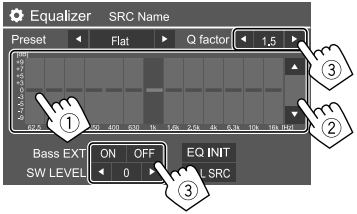


- To apply the adjusted equalizer to all playback sources, touch **[ALL SRC]**, then touch **[OK]** to confirm.

Store your own sound adjustments

1 Select a preset sound mode.

2 Select a band (①) and adjust the level (②), then adjust the sound (③).



Adjust the sound as follows:

<Q factor>
Adjusts the width of the frequency.
- **1.35**/**1.5** (Initial)/**2.0**

<Bass EXT>
Activates/deactivates bass.
- **ON**/**OFF** (Initial)

<SW LEVEL>
Adjusts the subwoofer level.*
- **–50** to **+10** (Initial: 0)

- To clear the adjustment, touch **[EQ INIT]**.

3 Repeat step 2 to adjust the level of other bands.

* Not adjustable when <None> is selected for subwoofer on the <Speaker Select> screen. (Page 29)

<Sound Effect>

Adjust the sound effect.

<Loudness>
Adjusts loudness.
- **OFF** (Initial)/**Low**/**High**

<Bass Boost>
Selects the bass boost level.
- **OFF** (Initial)/**Level 1**/**Level 2**/**Level 3**/**Level 4**/**Level 5**

<Volume Link EQ>
Reduces the driving noise by raising the bandwidth.
- **OFF** (Initial)/**ON**

<Space Enhancement>*1
Virtually enhances the sound space using the Digital Signal Processor (DSP) system. Select the enhance level.
- **OFF** (Initial)/**Small**/**Medium**/**Large**

<K2>*2
Restores the sound lost due to audio compression to a realistic sound.
- **OFF**/**ON** (Initial)

<Sound Response>
Virtually makes the sound more realistic using the Digital Signal Processor (DSP) system. Select the sound level.
- **OFF** (Initial)/**Level 1**/**Level 2**/**Level 3**

<Sound Lift>
Moves the center of the sound to the lower or higher point. Select the height.
- **OFF** (Initial)/**Low**/**Middle**/**High**

*1 You cannot change the setting when "Tuner" is selected as the source.
*2 This function works only when "DISC"/ "USB"/ "iPod"/ "Android™" is selected as the source.

<Fader/Balance>

Touch **[▲]**/**[▼]**/**[◀]**/**[▶]** or drag the ✣ mark to adjust.

<Fader>
Adjusts the front and rear speaker output balance. When using a two-speaker system, set the fader to the center (**0**).
- **F15** to **R15** (Initial: **0**)

<Balance>
Adjusts the left and right speaker output balance.
- **L15** to **R15** (Initial: **0**)

To clear the adjustment: Touch **[Center]**.

<Speaker/X'over>

Preparation:
Before making the adjustment for **<Speaker/X'over>**, select the appropriate crossover network mode according to the speaker system (2-way speaker system or 3-way speaker system).

1 Turn off the AV source.
On the Home screen, touch as follows:

2 Display the <X'over Network> screen.
On the monitor panel, press ⌂ and volume **–** buttons at the same time.

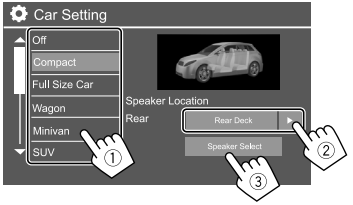
3 Select the crossover network mode.

[2way]	Select this when 2-way system speakers are used (front/rear).
[3way]	Select this when 3-way system speakers are used (tweeter/mid range/woofer).

A confirmation message appears. Touch **[Yes]**.

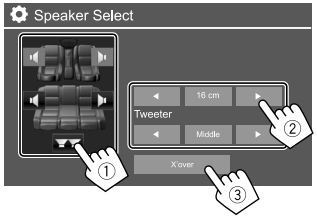
Setting the speakers and crossover frequency

1 Select a car type (①), select the location of the speakers (②)*, then display the <Speaker Select> screen (③).



* Speaker location selection is available only when <X'over Network> is set to [2way].

2 Select the speaker type (①), select the size of the selected speaker (②), then display the <X'over> screen (③).



- If no speakers are connected, select **<None>**.
- When setting the front speakers, also select the speaker size for **<Tweeter>**.

3 Adjust the crossover frequency of the selected speaker.

- Adjustable items vary depending on the selected speaker type/speaker size/crossover settings.

<TW Gain (L)>/<TW Gain (R)>
Adjusts the output volume of the tweeter (left/right).

<TW FREQ>
Adjusts the crossover frequency for the tweeter.

<Gain>
Adjusts the output volume of the selected speaker.

<HPF FREQ>
Adjusts the crossover frequency for the front or rear speakers (high pass filter).

<LPF FREQ>
Adjusts the crossover frequency for the speaker (low pass filter).

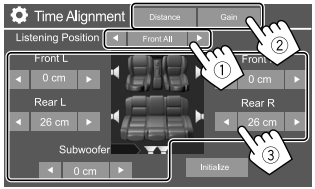
<Slope>
Adjusts the crossover slope.

<Phase>
Selects the phase for the speaker.

<Time Alignment>

Make fine adjustments to the delay time of the speaker output to create a more suitable environment for your car.

Select the listening position (①), select [Distance] or [Gain](②) to make an adjustment, then adjust each speaker setting (③).



① Select from **<All>**, **<Front L>**, **<Front R>** or **<Front All>***.
② Select an item to adjust.

[Distance]	Adjusts the digital time alignment value.
[Gain]	Adjusts the output volume of the selected speaker.

③ To determine the adjustment value, see "Determining the value for <Position DTA> adjustment" on page 30.

To initialize the setting value: Touch **[Initialize]**.

* <Front All> is selectable only when <X'over Network> is set to [2way].

<Volume Offset>

Adjust and store the auto-adjustment volume level for each source. If the source is a disc, the adjustment is stored for each of the following categories:

- DVD/VCD
- CD
- DivX/MPEG1/MPEG2/MP3/WMA/WAV/AAC/FLAC

The volume level will automatically increase or decrease when you change the source.

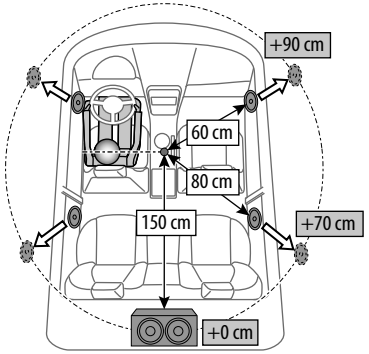
- **–15** to **+6** (Initial: **00**)

Determining the value for <Position DTA> adjustment

If you specify the distance from the center of the currently set listening position to every speaker, the delay time will be automatically computed and set.

① Determines the center of the currently set listening position as the reference point.
② Measures the distances from the reference point to the speakers.
③ Calculates the differences between the distance of the furthest speaker and other speakers.
④ Sets the DTA value calculated in step ③ for individual speakers.
⑤ Adjusts gain for individual speakers.

E.g. When **<Front All>** is selected as the listening position

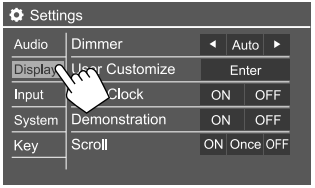


Display settings

Display the <Display> screen.

On the Home screen, touch as follows:

Then, on the **<Settings>** screen, touch **[Display]**.



E.g. Display settings screen

<Dimmer>

- **Auto** (Initial): Dims the screen and button illumination when you turn on the headlights.
  – Connection to the car light control switch is required. (Page 41)
- **ON**: Activates dimmer.
- **OFF**: Deactivates dimmer.

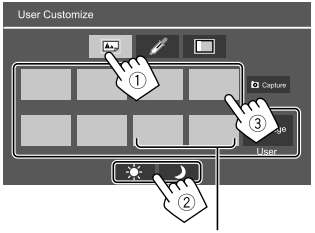
<User Customize>

You can change the display design. While playing a video or picture, you can capture an image and use the captured image as a background.

- You cannot capture copyrighted content and images.
- When using a JPEG file as the background, make sure that the resolution is 800 x 480 pixels.
- The color of the captured image may look different from that of the actual scene.

1 Change the background design

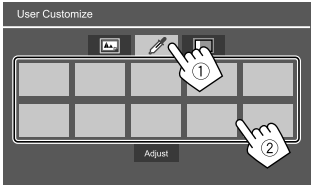
Display the background design selection screen (①), select the dimmer setting (②) ([ ]: dimmer on or [ ]: dimmer off), then select the background design (③).



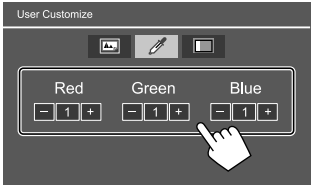
When one of these is selected, you can change the background color.

2 **Change the illumination color of the background design**

Display the background color selection screen (①), then select the background color (②).



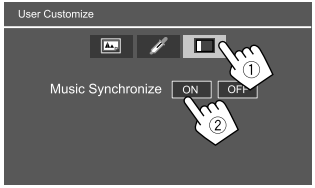
- You can also adjust the color yourself. Touch **[Adjust]** to display the color adjustment screen, then adjust the color. The adjustment is saved on **[User]**.



3 **Activate Music Synchronize Effect**

By activating the Music Synchronize Effect, the brightness of illumination bar on the monitor panel changes according to the music level.

Display the music synchronize setting screen (①), then select **[ON]** (②).



To deactivate, touch **[OFF]**.

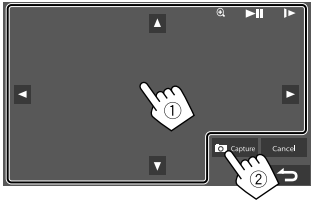
Storing your own scene for the background image

1 While playing a video or picture, display the <User Customize> screen.

On the **<Display>** screen, touch as follows:
<User Customize>: [Enter]

2 Display the background design selection screen, then touch [Capture].

3 Adjust the image (①), then capture the image (②).



E.g. Image adjustment screen

[▲][▼][◀][▶]	Moves the zooming frame.
[ ]	Magnifies the scene. • **<OFF>/<Zoom1>/<Zoom2>/<Zoom3>**
[▶❚❚]*	Starts/pauses playback.
[❚▶]*	Advances scenes frame by frame.

A confirmation message appears. Touch **[Yes]** to store the newly captured image. (The existing image is replaced with the new one.)

- To return to the previous screen, touch **[No]**.
- To cancel the capture, touch **[Cancel]**.

* Not displayed when playing an external component connected to the AV-IN input terminal.

<OSD Clock>

- **ON**: Displays the clock while a video source is playing.
- **OFF** (Initial): Cancels.

<Demonstration>

- **ON** (Initial): Activates the display demonstration.
- **OFF**: Deactivates the display demonstration.

<Scroll>

- **ON**: Scrolls the displayed information repeatedly.
- **Once** (Initial): Scrolls the displayed information once.
- **OFF**: Cancels.

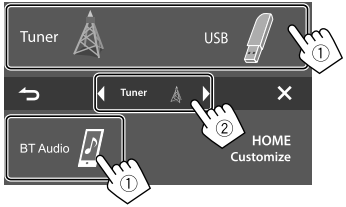
Touching **[◀]** scrolls the text regardless of this setting.

<Home Customize>

Selects the playback source to display on the Home screen.

Select an item to replace (①), then select an item (②) you want to display in the selected position.

Repeat the procedure to customize your Home screen.



- Only selectable sources are shown.
- You cannot locate **[Camera]** on the Home screen.
- Touching and holding the playback source icon on the Home screen can also display the item selection screen.

<Screen Adjustment>

Adjust the brightness and blackness of the screen.
Select **[DIM ON]** (dimmer on) or **[DIM OFF]** (dimmer off), then change the following settings:

<Bright>
Adjusts brightness.
- **–15** to **+15** (Initial: **0** for dimmer on, **+15** for dimmer off)

<Black>
Adjusts blackness.
- **–10** to **+10** (Initial: **0**)

<Video Output>

Select the color system of the external monitor.
- **NTSC**/**PAL** (Initial)

"Please Power Off" appears when the setting is changed. Turn off the power, then turn on to enable the change.

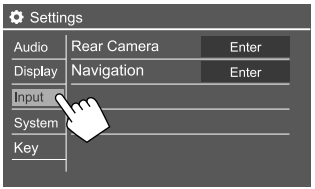
<Viewing Angle>

Select the viewing angle in relation to the monitor to make the screen on the panel easier to see.
- **Under 0°** (Initial)/**5°**/**10°**/**15°**/**20°**

Input settings

Display the <Input> screen.
On the Home screen, touch as follows:

Then, on the **<Settings>** screen, touch **[Input]**.



E.g. Input settings screen

<Rear Camera>

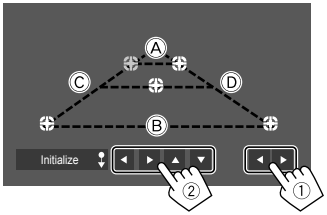
Configure the rear view camera settings.

<Rear Camera Interruption>
- **ON** (Initial): Displays the picture from the rear view camera when you shift the gear to the reverse (R) position.
  – A caution message appears on the screen. To remove the caution message, touch the screen.
- **OFF**: Select this when no camera is connected.

<Parking Guidelines>
- **ON** (Initial): Displays the parking guidelines.
- **OFF**: Hides the parking guidelines.

<Guidelines Setup>
Adjust the parking guidelines according to the size of the car, parking space and so on.
When adjusting the parking guidelines, make sure to use the parking brake to prevent the car from moving.

Select the ✣ mark (①), then adjust the position of the selected ✣ mark (②).



Make sure that Ⓐ and Ⓑ are horizontally parallel, and that Ⓒ and Ⓓ are the same length.

- Touch and hold **[Initialize]** for 2 seconds to set all the marks to the initial default position.

<Navigation>

(Only for KW-V250BT Region 3/KW-V250BTM Region 2)

Change the settings for displaying the screen of an external navigation unit.

- To change the setting, turn off the AV source by touching **[AV Off]** on the Home screen beforehand.

<Input>

Select the source screen to be displayed when you perform the following operation.

Touch **[-]** on the pop-up short-cut menu.

- **RGB**: Switches to the navigation screen from the connected navigation unit.
- **OFF** (Initial): Deactivates the display switch function.

<Output>

Select which front speakers are used for the navigation guidance.

- **Lch**: Output from front left channel only.
- **Rch**: Output from front right channel only.
- **L+Rch** (Initial): Output from both front left and front right channels.

<Volume>

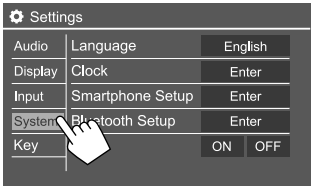
0 to **35** (Initial: **21**): Adjust the volume of the navigation guidance.

System settings

Display the <System> screen.

On the Home screen, touch as follows:

Then, on the **<Settings>** screen, touch **[System]**.



E.g. System settings screen

<Language>

Select the text language used for on-screen information. For details, see "Initial settings" on page 4.

"Please Power Off" appears when the setting is changed. Turn off the power, then turn on to enable the change.

<Clock>

Set the clock. For details, see "Clock settings" on page 5.

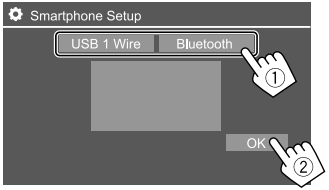
<Smartphone Setup>

Specify the connection method of Android/iPod/iPhone.

1 Select the device type (①), then touch [Change] (②).

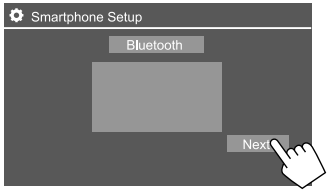
2 Select the connection method (①), then confirm the selection ([OK] or [Next]) (②).

If **[iPod/iPhone]** is selected in step 1:



[USB 1 Wire]	Select this when the device is connected via the USB input terminal on the monitor panel.
[Bluetooth]	Select this when the device is connected via Bluetooth. (Go to step 3.)

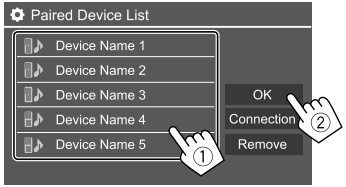
If **[Android/Other]** is selected in step 1:



The **<Paired Device List>** screen appears. Go to step 3.

3 When selecting [Bluetooth] as the connection method: Select the device (①), then touch [OK] (②) to connect.

- If the device is already connected, skip step ①.



<Bluetooth Setup>

Configure settings for using a Bluetooth device, such as connection and other general operations. For details, see "Bluetooth settings" on page 26.

<Beep>

This setting is available only when 2-way speaker system is selected. (Page 28)

- **ON** (Initial): Activates the key-touch tone.
- **OFF**: Deactivates the key-touch tone.

<SETUP Memory>

Memorize, recall, or clear the settings you have made.

- The memorized settings are kept even when the unit is reset.

Touch **[Yes]** to display the setting screen, then select an operation:

- **Recall**: Recalls the memorized settings.
- **Memory**: Memorizes the current settings.
- **Clear**: Clears the currently memorized settings and return to the factory (initial) settings.
- **Cancel**: Cancels.

A confirmation message appears. Touch **[Yes]**.

<DivX(R) VOD>

This unit has its own Registration Code. Once you have played back a file with the Registration Code recorded, this unit's Registration Code is overwritten for copyright protection.

- Touch **[Enter]** to display the information.
- To return to the previous screen, touch **[OK]**.

<Initialize>

Initialize all settings you have made. Touch and hold **[Enter]** to initialize the settings.

- After initializing the settings, adjust the settings on the **<Initial Settings>** screen.

<Serial Number>

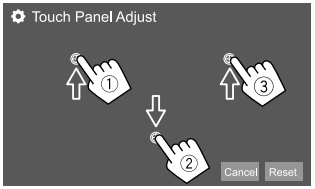
(Only for KW-V250BT Region 3/KW-V250BTM Region 2)

Displays the serial number.

<Touch Panel Adjust>

Adjust the touch positions of the buttons on the screen.

Touch the center of the marks at the upper left (①), the lower center (②), then the upper right (③) as instructed.



- To reset the touch position, touch **[Reset]**.
- To cancel the current operation, touch **[Cancel]**.

<Steering Remote Control Setting>

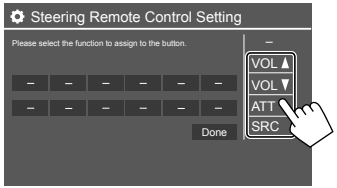
Assign functions to the keys of the remote controller on the steering wheel.

- This function is available only when your car is equipped with the electrical steering remote controller.
- You can only register/change the functions while you are parked.
- If your steering remote controller is not compatible, learning may not be completed and an error message may appear.

1 Touch [Set] for <Steering Remote Control Setting> to display the setting screen.

2 Press and hold a button on the steering remote controller to register or change.

3 Select a function to assign to the selected button.



4 Repeat steps 2 and 3 to register other buttons.

5 Touch [Done] to finish procedure.

- The unit can register/change all of the buttons' functions at the same time. To do this, press all buttons in turn and after pressing all of them, touch **[Done]** on the **<Steering Remote Control Setting>** screen. However, new functions cannot be learned after this operation.
- When changing the functions already learned, touch the assigned function you want to change in step 3 and then touch to select the new function from the function list.
- Confirm the contents of the settable functions in the function list. You cannot edit the function list.

To initialize the setting: Touch **[Initialize]** for **<Steering Remote Control Setting>**.

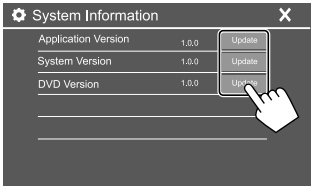
- A confirmation message appears. Touch **[Yes]**.
  – To cancel the initialization, touch **[No]**.

<System Information>

Update the system by connecting a USB device containing an update file.

- To obtain the update file, visit <http://www.jvc.net/cs/car/>.

Connect a USB device with the update file to the unit.



<Application Version>
Updates the system application.

<System Version>
Updates the system.

- If you turn the ignition switch off then on after selecting **<Update>**, the unit will reset.

<DVD Version>
Updates the DVD system application.

The system update starts. It may take a while.
If the update has been completed successfully, "Update Completed" appears, then reset the unit.

- Do not disconnect the USB device while updating.
- If the update has failed, turn off the ignition switch and then on the ignition switch, and retry the update.

<Open Source Licenses>

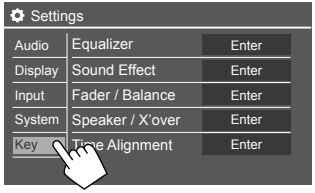
Shows the Open Source Licenses.

Key settings

Display the <Key Customize> screen.

On the Home screen, touch as follows:

Then, on the **<Settings>** screen, touch **[Key]**.



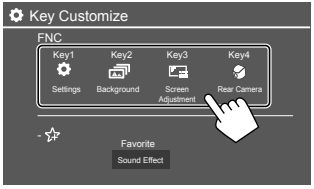
E.g. Key settings screen

<Key Customize>

You can customize the pop-up short-cut menu (page 7).

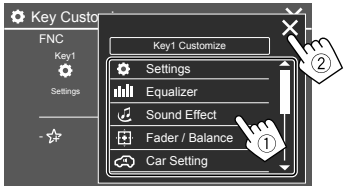
- You can also customize the ☆ (favorite) button.

1 Select the menu to customize.



- To customize the ☆ (favorite) button, touch the icon under favorite instead.

2 Select an item (①) you want to display in the selected menu, then touch [×] to set (②).



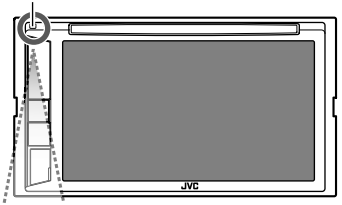
3 Repeat steps 1 and 2 to replace the other menus.

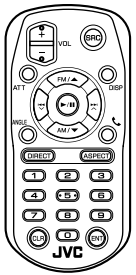
Remote Controller

Remote controller RM-RK258 is supplied for KW-V250BT Region 3/KW-V250BTM Region 2.

- For KW-V250BT Region 4: To use the remote controller, purchase optional remote controller, RM-RK258.
  Refer to the instruction manual supplied with the remote controller.
- This unit is equipped with a steering wheel remote control function. (Page 35)
  – See page 40 for connection.
  – Operations may differ depending on the type of steering wheel remote control.

Remote sensor*





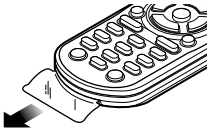
RM-RK258

* DO NOT expose the remote sensor to bright light (direct sunlight or artificial lighting).

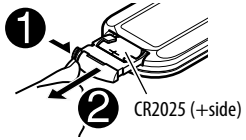
Preparation

Removing the battery sheet

Pull the battery sheet out from the remote controller to activate the battery.



Changing the battery of the remote controller



- Use a commercially available button battery (CR2025).
- Insert the battery with the + and – poles aligned properly.
  – If the effectiveness of the remote controller decreases, replace the battery.

⚠ WARNINGS

- **Do not ingest the battery, as it presents a chemical burn hazard**
  The remote controller supplied with this product contains a coin/button cell battery.
  If the coin/button cell battery is swallowed, it can cause severe internal burns in just 2 hours and can lead to death.
  Keep new and used batteries away from children.
  If the battery compartment does not close securely, stop using the product and keep it away from children.
  If you think batteries might have been swallowed or placed inside any part of the body, seek immediate medical attention.

⚠ CAUTION

- Do not leave the battery near fire or under direct sunlight. A fire, explosion or excessive heat generation may result.
- Do not set the remote controller in hot places such as on the dashboard.
- Danger of explosion if Lithium battery is incorrectly replaced. Replace only with the same or equivalent type.

Basic operations

ATT	Attenuates/restores the sound.
DISP	Displays the current source control screen.
FM/▲/AM/▼	• Tuner: Selects the band. • Selects a title/item/folder.
⏮ / ⏭	• Tuner: – Searches for stations automatically. (Press)* – Searches for stations manually. (Hold)* • Selects a track. (Press)
VOL +/VOL –	Adjusts the volume level.
SRC	Selects the source.
▶/II	• Starts/pauses playback. • Tuner: Changes the seek mode (AUTO1, AUTO2, MANU).
📞	Answers incoming calls.
0 – 9	Enters a number.
1 – 5	Enters a preset station number.

* The search method differs depending on the selected seek mode.

ANGLE	Not used for this unit.
ASPECT	Changes the aspect ratio. • To check the current aspect ratio setting, operate on the touch panel. (Page 11)
ENT	Confirms selection.
DIRECT	Enters direct search mode.
CLR	Erases the misentry.

Searching for an item directly

While listening to the Tuner, DAB or during disc playback, you can search for a station frequency/chapter/title/folder/file/track directly using the number buttons.

• To search for a track from the VCD menu, perform during PBC playback.

1 Press DIRECT to enter the search mode.

• Each time you press **DIRECT**, the item to search for changes.

2 Press a number button to select a desired item (station frequency/chapter/title/folder/file/track).

• To erase a misentry, press **CLR**.

3 Press ENT to confirm.

To exit the search mode: Press **DIRECT**.

JVC Remote APP

JVC Remote is an application that connects and controls compatible JVC car receivers via Bluetooth® like a wireless remote control.

You can also operate this unit from a Smartphone using JVC Remote APP.
This application can display the source information of this unit on the smartphone's screen, and enables the user to make an audio setting using the graphic user interface of this application.
This application also works as a free standalone music player application, when your Smartphone is not connected to this unit.

• For details, visit <www.jvc.net/car/app/jvc_remote/>.

Installation and Connection

⚠ WARNINGS

• DO NOT connect the ignition wire (red) and the battery wire (yellow) to the car chassis (ground), you may cause a short circuit, that in turn may start a fire.
• DO NOT cut out the fuse from the ignition wire (red) and the battery wire (yellow). The power supply must be connected to the wires via the fuse.
• Always connect the ignition wire (red) and the battery wire (yellow) to the power source running through the fuse box.

⚠ CAUTIONS

• Install this unit in the console of your car.
• Do not touch the metal parts of this unit during and shortly after the use of the unit. Metal parts such as the heat sink and enclosure become hot.
• When parking at a low ceiling area, turn off the unit to store the antenna. As when the unit is installed in the car with the function of auto antenna; the radio antenna extends automatically when you turn on the unit with the antenna control wire (ANT. CONT) connected. (Page 41)

Before installation

Precautions on installation and connection

• Mounting and wiring this product requires skills and experience. For best safety, leave the mounting and wiring work to professionals.
• Mount the unit so that the mounting angle is 30° or less.
• Make sure to ground the unit to a negative 12 V DC power supply.

- Do not install the unit in a location exposed to direct sunlight or excessive heat or humidity. Also avoid places with too much dust or the possibility of water splashing.
- Do not use your own screws. Use only the screws provided. If you use the wrong screws, you could damage the unit.
- After the unit is installed, check whether the brake lamps, blinkers, wipers, etc. on the car are working properly.
- Do not press hard on the panel surface when installing the unit to the car. Otherwise scratches, damage, or failure may result.
- If the power is not turned on ("Miswiring DC Offset Error", "Warning DC Offset Error" is displayed), the speaker wire may have a short circuit or have touched the chassis of the car and the protection function may have been activated. In this case, the speaker wire should be checked.
- Keep all cables away from heat dissipating metal parts.
- If your car's ignition does not have an ACC position, connect the ignition wires to a power source that can be turned on and off with the ignition key. If you connect the ignition wire to a power source with a constant voltage supply, such as with battery wires, the battery may be drained.
- If the fuse blows, first make sure the wires are not touching to cause a short circuit, then replace the old fuse with one with the same rating.
- Insulate unconnected wires with vinyl tape or other similar material. To prevent a short circuit, do not remove the caps and do not let the cable out at the ends of the unconnected wires or the terminals.
- Secure the wires with cable clamps and wrap vinyl tape around the wires that comes into contact with metal parts to protect the wires and to prevent short circuit.
- Connect the speaker wires correctly to the terminals to which they correspond. The unit may be damaged or fail to work if you share the ⊖ wires or ground them to any metal part in the car.
- When only two speakers are being connected to the system, connect both connectors either to the front output terminals or to the rear output terminals (do not mix front and rear). For example, if you connect the ⊕ connector of the left speaker to a front output terminal, do not connect the ⊖ connector to a rear output terminal.

Parts list for installation

Note: This parts list does not include all the package contents.

1 Wiring harness (× 1)
2 Extension wire, 2 m (× 1)
3 Flat head screws, M5 × 8 mm (× 6)
4 Round head screws, M5 x 8 mm (× 6)
5 Trim plate (× 1)
6 Steering remote cable (× 1)

Only for KW-V250BT Region 4/KW-V250BTM Region 2
7 Microphone, 3 m (× 1)

Installation procedure

1 Remove the key from the ignition and disconnect the ⊖ battery.

2 Make the proper input and output wire connections for each unit.

3 Connect the speaker wires of the wiring harness.

4 Connect the wires of the wiring harness in the following order: ground, battery, ignition.

5 Connect the wiring harness to the unit.

6 Install the unit in your car.
Make sure that the unit is installed securely in place. If the unit is unstable, it may malfunction (e.g., the sound may skip).

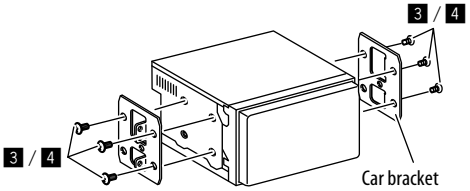
7 Reconnect the ⊖ battery.

8 Press the reset button on the monitor panel. (Page 3)

9 Configure <Initial Settings>. (Page 4)

Installing the unit

Installing the unit using the mounting brackets removed from the car

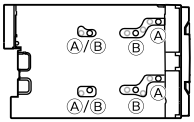


Note: Select the appropriate screws (supplied) for the mounting bracket.

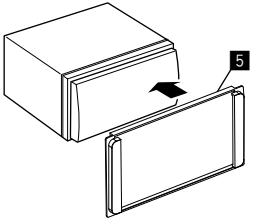
Installing in Toyota cars

Install onto the car bracket using the supplied screws (4). Use the mounting holes (Ⓐ or Ⓑ) that fit the car bracket.

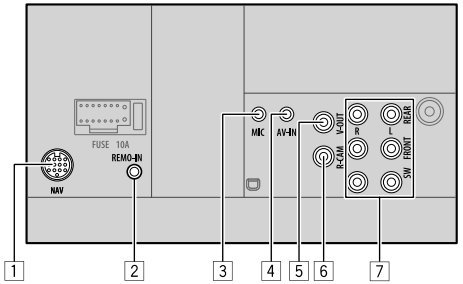
Side view



Installing the trim plate



Connecting external components

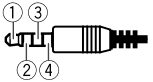


1 Navigation input (NAV)*1

2 Steering wheel remote controller input (REMO-IN)
- Connect to the vehicle's steering remote harness using the Steering Remote cable (6). Contact your JVC dealer for details.

3 Microphone input (MIC) (Page 41)

4 Audio video input (AV-IN)
Connect the following type of 4-pole mini plug:



① Left audio
② Right audio
③ Ground
④ Composite video

5 Video output (V-OUT)

6 Rear view camera input (R-CAM)

7 Output terminals*2
- Left output (White)
- Right output (Red)

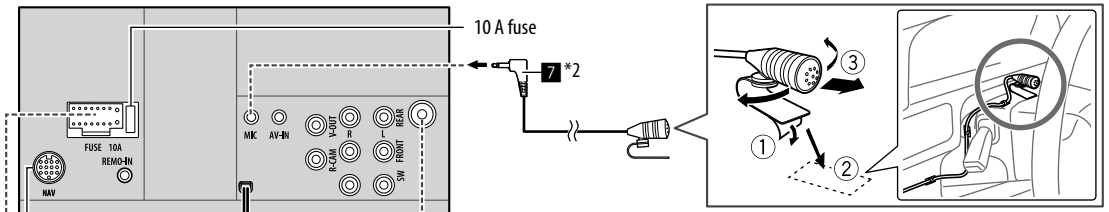
REAR: Rear speaker preouts
FRONT: Front speaker preouts
SW: Subwoofer preouts

For 3-way crossover:
REAR: Tweeter preouts
FRONT: Mid range speaker preouts
SW: Woofer preouts

*1 Only for KW-V250BT Region 3/KW-V250BTM Region 2.

*2 When connecting an external amplifier, connect its ground wire to the chassis of the car; otherwise the unit may be damaged.

Wiring connection



*1 Only for KW-V250BT Region 3/KW-V250BTM Region 2.
*2 Only for KW-V250BT Region 4/KW-V250BTM Region 2.

Connect the antenna cord to the antenna terminal

Purple with white stripe — REVERSE → To the car's reverse lamp harness when using the optional rear view camera

Light green — PRK SW → Extension wire (2) → To the car's parking brake detection switch harness (For best safety, be sure to connect the parking sensor.)

White ⊕ / White with black stripe ⊖ → To front speakers (left) / Mid-range speakers (left) for 3-way crossover

Gray ⊕ / Gray with black stripe ⊖ → To front speakers (right) / Mid-range speakers (right) for 3-way crossover

Green ⊕ / Green with black stripe ⊖ → To rear speakers (left) / Tweeters (left) for 3-way crossover

Purple ⊕ / Purple with black stripe ⊖ → To rear speakers (right) / Tweeters (right) for 3-way crossover

Orange with white stripe → To the car light control switch

Light blue with yellow stripe — STEERING WHEEL REMOTE INPUT / REMOTE CONT → To the OE remote adapter (not supplied) which is compatible with your car

Blue with white stripe (12 V ⎓ 350 mA) — ANT.CONT / P.CONT → To the power control terminal when using the optional power amplifier (Or) To the control terminal of the motor antenna or to the power terminal for the booster amplifier of film-type antenna

Red (Ignition wire) → Ignition key switch → Car fuse → Car battery

Yellow (Battery wire) → Car fuse → Car battery

Black (Ground wire) → To the car chassis

References

Maintenance

Cleaning the unit

- Do not use any solvent (for example, thinner, benzine, etc.), detergent, or insecticide. This may damage the monitor or the unit.
- Gently wipe the panel with a soft, dry cloth.

Handling discs

- Do not touch the recording surface of the disc.
- Do not stick tape etc. on the disc, or use a disc with tape stuck on it.
- Do not use any accessories for the disc.
- Clean from the center of the disc and move outward.
- Clean the disc with a dry silicone or soft cloth. Do not use any solvents.
- When removing discs from this unit, pull them out horizontally.
- Remove burrs from the center hole and disc edge before inserting a disc.

More information

About playable files

Audio files

- This unit can play back the following files with following codec and extension code:
  - For disc: MP3 (.mp3), WMA (.wma), WAV (.wav), AAC (.m4a)
  - For USB mass storage class device: MP3 (.mp3), WMA (.wma), WAV (.wav), AAC (.aac, .m4a), FLAC (.flac)
- This unit can play back files that meet the conditions below:
  - Bit rate:
    MP3: 8 kbps – 320 kbps
    WMA: For disc: 5 kbps – 320 kbps
    For USB : 32 kbps – 192 kbps
    AAC: 16 kbps – 320 kbps
  - Sampling frequency:
    MP3: 16 kHz – 48 kHz
    WMA: 8 kHz – 48 kHz
    WAV: 44.1 kHz
    AAC: 32 kHz – 48 kHz
    FLAC: 8 kHz – 96 kHz
  - Files recorded in VBR (variable bit rate), and have a discrepancy in elapsed time indication
- This unit can show or display the following:
  - Tag:
    MP3: ID3 Tag (version 1.0/1.1/2.2/2.3/2.4)
    WMA Tag
    WAV Tag
    AAC Tag
    FLAC Tag
  - Jacket picture:
    Picture size: 32 × 32 to 1 232 × 672 resolution
    Data size: Less than 500 KB
    File type: JPEG
- This unit cannot play back the following files:
  - MP3 files encoded with MP3i and MP3 PRO format.
  - MP3 files encoded with Layer 1/2.
  - WMA files encoded with lossless, professional, and voice format.
  - WMA files which are not based upon Windows Media® Audio.
  - WMA/AAC files copy-protected with DRM.
  - AAC files copy-protected with FairPlay (except those stored on an iPod/iPhone).
  - Files which have data such as AIFF, ATRAC3, etc.

Video files

- This unit can play back the following files with following codec and extension code:
  - DivX (.divx, .div, .avi) regardless of the letter case—upper/lower
  - MPEG1/MPEG2 (.mpg, .mpeg)
- Streams that conform to:
  - DivX:
    Audio: MP3 or Dolby Audio
  - MPEG1/MPEG2:
    Audio: MPEG1 Audio Layer-2 or Dolby Audio
    Video: MPEG system/program stream
- Other playable conditions:
  - Video file size: Less than 2 GB
  - DivX: Bit rate: 8 Mbps (maximum for average video signals)
  - MPEG1/MPEG2: File format: MP@ML (Main Profile at Main Level)/SP@ML (Simple Profile at Main Level)/MP@LL (Main Profile at Low Level)
- This unit cannot play back the following files:
  - DivX files encoded in the interlaced scanning mode.

Picture files

- This unit can play back the following files with following codec and extension code:
  – JPEG (.jpg, .jpeg)
- Other playable conditions:
  – Resolution: 32 × 32 to 8 192 × 7 680 (It may take time to display the file depending on its resolution.)
  – Baseline JPEG files
- This unit cannot play back the following files:
  – Progressive JPEG files
  – Lossless JPEG files

About disc playback

Playable disc types

- CD-DA: Audio CD, CD Text
- DVD Video: Region code: 2, 3 or 4 (depending on the country and sales area)
- Dual Disc: DVD side
- VCD: Video CD (PBC compatible)
- DVD Recordable/Rewritable (DVD-R/-RW, +R/+RW)
  – DVD Video: UDF bridge
  – ISO 9660 level 1, level 2, Romeo, Joliet
  – Other playable formats:
  DVD-R recorded in multi-border format (except for dual layer discs)
  Finalized +R/+RW (Video format only)
- CD Recordable/Rewritable (CD-R/-RW):
  – ISO 9660 level 1, level 2, Romeo, Joliet
- Other information:
  – While playing a DVD Video, DTS sound cannot be reproduced or emitted from this unit.
  – This unit can recognize a total of 5 000 files and 250 folders (a maximum of 999 files per folder) in a recordable/rewritable disc.
  – Use only "finalized" recordable/rewritable discs.
  – This unit can play back multi-session recordable/rewritable discs; however, unclosed sessions will be skipped while playing.

Unplayable disc types and formats

- DVD-Audio/DVD-ROM discs
- SVCD (Super Video CD), CD-ROM, CD-I (CD-I Ready), DTS-CD
- MPEG4/AAC (.aac)/FLAC/MKV/DVD–VR/DVD+VR/DVD-RAM recorded on DVD-R/RW or +R/+RW
- MPEG4/AAC (.aac)/FLAC/MKV recorded on CD-R/RW
- DVD-RW dual layer discs
- +RW double layer discs
- Non-DVD side of a "DualDisc" which does not comply with the "Compact Disc Digital Audio" standard
- Discs that are not round.
- Discs with coloring on the recording surface or discs that are dirty.
- Recordable/Rewritable discs that have not been finalized.
- 8 cm discs. Attempting to insert these discs using an adapter may cause a malfunction.
- Some recordable/rewritable discs or files may not be played back due to their characteristics or recording conditions.

Language codes (for DVD language selection)

AA	Afar	GD	Scots Gaelic
AB	Abkhazian	GL	Galician
AF	Afrikaans	GN	Guarani
AM	Ameharic	GU	Gujarati
AR	Arabic	HA	Hausa
AS	Assamese	HI	Hindi
AY	Aymara	HR	Croatian
AZ	Azerbaijani	HU	Hungarian
BA	Bashkir	HY	Armenian
BE	Byelorussian	IA	Interlingua
BG	Bulgarian	IE	Interlingue
BH	Bihari	IK	Inupiak
BI	Bislama	IN	Indonesian
BN	Bengali, Bangla	IS	Icelandic
BO	Tibetan	IW	Hebrew
BR	Breton	JA	Japanese
CA	Catalan	JI	Yiddish
CO	Corsican	JW	Javanese
CS	Czech	KA	Georgian
CY	Welsh	KK	Kazakh
DZ	Bhutani	KL	Greenlandic
EL	Greek	KM	Cambodian
EO	Esperanto	KN	Kannada
ET	Estonian	KO	Korean (KOR)
EU	Basque	KS	Kashmiri
FA	Persian	KU	Kurdish
FI	Finnish	KY	Kirghiz
FJ	Fiji	LA	Latin
FO	Faroese	LN	Lingala
FY	Frisian	LO	Laothian
GA	Irish	LT	Lithuanian

LV	Latvian, Lettish	SM	Samoan
MG	Malagasy	SN	Shona
MI	Maori	SO	Somali
MK	Macedonian	SQ	Albanian
ML	Malayalam	SR	Serbian
MN	Mongolian	SS	Siswati
MO	Moldavian	ST	Sesotho
MR	Marathi	SU	Sundanese
MS	Malay (MAY)	SW	Swahili
MT	Maltese	TA	Tamil
MY	Burmese	TE	Telugu
NA	Nauru	TG	Tajik
NE	Nepali	TH	Thai
NO	Norwegian	TI	Tigrinya
OC	Occitan	TK	Turkmen
OM	(Afan) Oromo	TL	Tagalog
OR	Oriya	TN	Setswana
PA	Panjabi	TO	Tonga
PL	Polish	TR	Turkish
PS	Pashto, Pushto	TS	Tsonga
QU	Quechua	TT	Tatar
RM	Rhaeto-Romance	TW	Twi
RN	Kirundi	UK	Ukrainian
RO	Rumanian	UR	Urdu
RW	Kinyarwanda	UZ	Uzbek
SA	Sanskrit	VI	Vietnamese
SD	Sindhi	VO	Volapuk
SG	Sangho	WO	Wolof
SH	Serbo-Croatian	XH	Xhosa
SI	Singhalese	YO	Yoruba
SK	Slovak	ZU	Zulu
SL	Slovenian		

About USB playback

Important

Make sure all important data has been backed up to avoid losing the data.

We bear no responsibility for any loss of data stored in the devices while using this unit.

Playable files on a USB device

- This unit can play the following types of files stored in a USB mass storage class device.
  - JPEG/Divx/MPEG1/MPEG2/MP3/WMA/WAV/AAC (.aac/.m4a)/FLAC
- This unit can recognize:
  - A total of 5 000 files
  - 250 folders for video files and a maximum of 999 files per folder
  - 250 folders for photo files and a maximum of 999 files per folder
  - 999 folders for audio files and a maximum of 999 files per folder
- The maximum number of characters (when the characters are 1 byte):
  - Folder names: 50 characters
  - File names: 50 characters

Notes on using a USB device

- Avoid using the USB device if it might affect driving safety.
- When connecting with a USB cable, use a USB 2.0 cable.
- Electrostatic shock at connecting a USB device may cause abnormal playback of the device. In this case, disconnect the USB device then reset this unit and the USB device.
- Do not pull out and connect the USB device repeatedly while "Reading" is shown on the screen.
- Operation and power supply may not work as intended for some USB devices.
- Do not leave a USB device in the car, or expose to direct sunlight or high temperatures to prevent deformation or damage to the device.

Unplayable USB device

- This unit may not play back files in a USB device properly when using a USB extension cable.
- USB devices equipped with special functions such as data security functions cannot be used with the unit.
- Do not use a USB device with 2 or more partitions.
- Depending on the shape of the USB devices and connection ports, some USB devices may not be attached properly or the connection might be loose.
- This unit may not recognize a memory card inserted into a USB card reader.

About iPod/iPhone

Important

Make sure all important data has been backed up to avoid losing the data.

We bear no responsibility for any loss of data stored in the devices while using this unit.

References

iPod/iPhone that can be connected

- Via the USB terminal:
  Made for
  – iPod nano (7th Generation)
  – iPod touch (5th and 6th Generation)
  – iPhone 4S, 5, 5C, 5S, 6, 6 Plus, 6S, 6S Plus, SE, 7, 7 Plus, 8, 8 Plus, X
- Via Bluetooth:
  Made for
  – iPod touch (5th and 6th Generation)
  – iPhone 4S, 5, 5C, 5S, 6, 6 Plus, 6S, 6S Plus, SE, 7, 7 Plus, 8, 8 Plus, X

Notes on using an iPod/iPhone

- When operating an iPod/iPhone, some operations may not be performed correctly or as intended. In this case, visit the following JVC web site:
  <http://www.jvc.net/cs/car/>
- When you turn on this unit, the iPod/iPhone is charged through the unit.
- The text information may not be displayed correctly.
- For some iPod/iPhone models, the performance may be abnormal or unstable during operation. In this case, disconnect the iPod/iPhone device, then check its condition.
  If the performance is not improved or slow, reset your iPod/iPhone.

Troubleshooting

What appears to be trouble is not always serious. Check the following points before calling a service center.

- For operations with external components, refer also to the instructions supplied with the adapters used for connection (as well as the instructions supplied with the external components).

General

No sound comes out of the speakers.

→ Adjust the volume to the optimum level.
→ Check the cords and connections.

No picture is displayed on the screen.

→ Turn on the screen. (Page 4)

The unit does not work at all.

→ Reset the unit. (Page 3)

The remote controller*1 does not work.

→ Replace the battery.

"No Signal"/"No Video Signal" appears.

→ Start playback on the external component connected to the AV-IN input terminal.
→ Check the cords and connections.
→ Signal input is too weak.

"Miswiring DC Offset Error"/"Warning DC Offset Error" appears.

→ A speaker cord has shorted or it has come into contact with the car chassis. Wire or insulate the speaker cord as appropriate, then reset the unit.

"Parking off" appears.

→ No playback picture is shown when the parking brake is not engaged.

"No Navigation" appears.*2

→ No navigation unit is connected.

"Learning Process Failed" appears.

→ Your steering remote controller is not compatible, learning may not be completed. Consult your car audio dealer for details.

*1 Only for KW-V250BT Region 4: Purchase optional remote controller, RM-RK258.
*2 Only for KW-V250BT Region 3/KW-V250BTM Region 2.

Discs

Recordable/Rewritable discs cannot be played back.

→ Insert a finalized disc.
→ Finalize the discs with the component which you used for recording.

Tracks on the Recordable/Rewritable discs cannot be skipped.

→ Insert a finalized disc.
→ Finalize the discs with the component which you used for recording.

Playback does not start.

→ The format of files is not supported by the unit.

No picture appears on the external monitor.
→ Connect the video cord correctly.
→ Select the correct input on the external monitor.

DivX/MPEG1/MPEG2/MP3/WMA/WAV/AAC discs cannot be played back.
→ Record the tracks using a compatible application on the appropriate discs. (Page 43)
→ Add appropriate extension codes to the file names.

Tracks on the recordable/rewritable discs are not played back as you have intended them to play.
→ Playback order may differ from the one played back using other players.

"Region Code Error" appears.
→ You have inserted a DVD Video disc of an incorrect region code. Insert a correct region code disc.

USB

"Reading" does not disappear from the screen.
→ Turn the power off and on again.

While playing a track, sound is sometimes interrupted.
→ The tracks are not properly copied into the USB device. Copy the tracks again, and try again.

Tracks are not played back as you have intended them to play.
→ Playback order may differ from the one played back using other players.

The source does not change to "USB" when you connect a USB device while listening to another source or "USB Device Error" appears when you connect a USB device.
→ The USB port is drawing more power than the design limit.
→ Turn the power off and unplug the USB device. Then, turn on the power and reattach the USB device.
→ If the above does not solve the problem, turn the power off and on (or reset the unit) before replacing with another USB device.

Android

Sound cannot be heard during playback.
→ Reconnect the Android device.
→ Launch any media player application on the Android device and start playback.

Sound output only from the Android device.
→ Use another media player application.
→ Restart the Android device.
→ If this does not solve the problem, the connected Android device is unable to route the audio signal to unit.
→ If USB connection does not work, connect the Android device via Bluetooth or through the AV-IN jack on the rear panel.

"NO DEVICE" or "READING" keeps flashing.
→ Reconnect the Android device.
→ If USB connection does not work, connect the Android device via Bluetooth or through the AV-IN jack on the rear panel.

iPod/iPhone

No sound comes out of the speakers.
→ Disconnect the iPod/iPhone, then connect it again.
→ Select another source, then reselect "iPod".

The iPod/iPhone does not turn on or does not work.
→ Check the connection.
→ Update the firmware version.
→ Charge the battery.
→ Reset the iPod/iPhone.

Sound is distorted.
→ Deactivate the equalizer either on this unit or the iPod/iPhone.

A lot of noise is generated.
→ Turn off (uncheck) "VoiceOver" on the iPod/iPhone. For details, visit <http://www.apple.com>.

No operations are available when playing back a track containing artwork.
→ Operate the unit after the artwork has loaded.

"Authorization Error" appears.
→ Check whether the connected iPod/iPhone is compatible with this unit. (Page 45)

Tuner

SSM automatic presetting does not work.
→ Store stations manually. (Page 16)

Static noise while listening to the radio.
→ Connect the antenna firmly.

AV-IN

No picture appears on the screen.
→ Turn on the video component if it is not on.
→ Connect the video component correctly.

Spotify

The application does not work.
→ The application on your iPod touch/iPhone/Android is not the latest version. Update the application.

Bluetooth

Phone sound quality is poor.
→ Reduce the distance between the unit and the Bluetooth mobile phone.
→ Move the car to a place where you can get a better signal reception.

The sound is interrupted or skipped while using a Bluetooth audio player.
→ Reduce the distance between the unit and the Bluetooth audio player. Disconnect the device connected for Bluetooth phone.
→ Turn off, then turn on the unit. (When the sound is not yet restored) connect the player again.

The connected audio player cannot be controlled.
→ Check whether the connected audio player supports AVRCP (Audio/Video Remote Control Profile).

The Bluetooth device does not detect the unit.
→ Search from the Bluetooth device again.

The unit does not pair with the Bluetooth device.
→ For devices compatible with Bluetooth 2.1: Register the device using a PIN code. (Page 22)
→ For devices compatible with Bluetooth 2.0: Enter the same PIN code for both the unit and target device. If the PIN code of the device is not indicated in its instructions, try "0000" or "1234."
→ Turn off, then turn on the Bluetooth device.

Echo or noise occurs.
→ Adjust the microphone unit position.
→ Adjust the echo volume or noise reduction volume. (Page 23)

The unit does not respond when you try to copy the phone book to the unit.
→ You may have tried to copy the same entries (as stored) to the unit.

"Connection Error" appears.
→ The device is registered but the connection has failed. Connect the registered device. (Page 22)

"Please Wait..." appears.
→ The unit is preparing to use the Bluetooth function. If the message does not disappear, turn off and turn on the unit, then connect the device again (or reset the unit).

"No Voice Device" appears.
→ The connected mobile phone does not have a voice recognition system.

"No Data" appears.
→ No phone book data is contained in the connected Bluetooth phone.

"Initialize Error" appears.
→ The unit has failed to initialize the Bluetooth module. Try the operation again.

"Dial Error" appears.
→ Dialing has failed. Try the operation again.

"Hung Up Error" appears.
→ The call has not ended yet. Park your car, and use the connected mobile phone to end the call.

"Pick Up Error" appears.
→ The unit has failed to receive a call.

The Bluetooth connection between the Bluetooth device and the unit is unstable.
→ Delete the unused registered Bluetooth device from the unit. (Page 23)

Specifications

Monitor section

Picture Size (W × H)	6.2 inches (diagonal) wide 137.5 mm × 77.2 mm
Display System	Transparent TN LCD panel
Drive System	TFT active matrix system
Number of Pixels	1 152 000 (800H × 480V × RGB)
Effective Pixels	99.99%
Pixel Arrangement	RGB striped arrangement
Back Lighting	LED

USB interface section

USB Standard	USB 2.0 Full Speed/High Speed
Compatible Device	Mass Storage Class
File System	FAT 16/32
Maximum Power Supply Current	DC 5 V ⎓ 1.5 A
D/A Converter	24 bit
Audio Decoder	MP3/WMA/AAC (.aac/.m4a)/ WAV/FLAC
Video Decoder	MPEG1/MPEG2/DivX/JPEG
Frequency Response	96 kHz Sampling: 20 Hz to 20 000 Hz 48 kHz Sampling: 20 Hz to 20 000 Hz 44.1 kHz Sampling: 20 Hz to 20 000 Hz
Total Harmonic Distortion	0.01% (1 kHz)
Signal to Noise Ratio	90 dB
Dynamic Range	90 dB

DVD player section

D/A Converter	24 bit
Audio Decoder	Linear PCM/Dolby Audio/ MP3/WMA/WAV/AAC (.m4a)
Video Decoder	MPEG1/MPEG2/DivX/JPEG
Wow & Flutter	Below Measurable Limit
Frequency Response	96 kHz Sampling: 20 Hz to 22 000 Hz 48 kHz Sampling: 20 Hz to 22 000 Hz 44.1 kHz Sampling: 20 Hz to 20 000 Hz
Total Harmonic Distortion	0.010% (1 kHz)
Signal to Noise Ratio	90 dB
Dynamic Range	90 dB
Disc Format	DVD-Video/VIDEO-CD/CD-DA DVD-R/DVD-RW/ DVD+R/+RW/CD-R/RW
Sampling Frequency	44.1 kHz/48 kHz/96 kHz
Quantifying Bit Number	16 bit/20 bit/24 bit

FM tuner section

Frequency Range	87.5 MHz to 108.0 MHz (50 kHz)
Usable Sensitivity (S/N: 30 dB, Dev 22.5 kHz)	6.2 dBf (0.56 µV/75 Ω)
Quieting Sensitivity (S/N: 46 dB, Dev 22.5 kHz)	15.2 dBf (1.58 µV/75 Ω)
Frequency Response (±3.0 dB)	30 Hz to 15 kHz
Signal to Noise Ratio	68 dB (MONO)
Selectivity (±400 kHz)	> 80 dB
Stereo Separation (1 kHz)	40 dB

AM tuner section

Frequency Range	**KW-V250BT Region 3**: 531 kHz to 1 611 kHz (9 kHz) **KW-V250BT Region 4**: 531 kHz to 1 701 kHz (9 kHz) **KW-V250BTM Region 2**: 531 kHz to 1 602 kHz (9 kHz)
Usable Sensitivity	**KW-V250BT Region 3/ KW-V250BTM Region 2:** 28.5 µV **KW-V250BT Region 4**: 29 dBµ

Specifications

Bluetooth section

Technology	Bluetooth V3.0
Frequency	2.402 GHz to 2.480 GHz
RF Output Power (E.I.R.P.)	+4 dBm (MAX), Power Class 2
Maximum Communication Range	Line of sight approx. 10 m
Audio Codec	SBC/AAC
Multi Profile Support	Multi Profile
Profile	HFP (Hands Free Profile) 1.6 A2DP (Advanced Audio Distribution Profile) 1.3 AVRCP (Audio/Video Remote Control Profile) 1.5 GAP (Generic Access Profile) PBAP (PhoneBook Access Profile) 1.2 SDP (Service Discovery Profile) SPP (Serial Port Profile) 1.2

DSP section

Equalizer	13 Band
Band	Frequency (Hz) (BAND1 – 13): 62.5/100/160/250/400/630/1k/1.6k/2.5k/4k/6.3k/10k/16k Level: –09 to +09 (–9 dB to +9 dB) Q: 1.35/1.5/2.0
HPF (High Pass Filter)	Frequency (Hz): Through/30/40/50/60/70/80/90/100/120/150/180/220/250 Slope (dB/Oct.): –6/–12/–18/–24 Gain (dB): –8/–7/–6/–5/–4/–3/–2/–1/0
LPF (Low Pass Filter)	Frequency (Hz): 30/40/50/60/70/80/90/100/120/150/180/220/250/Through Slope (dB/Oct.): –6/–12/–18/–24 Gain (dB): –8/–7/–6/–5/–4/–3/–2/–1/0

Video section

Color System of External Video Input	NTSC/PAL
External Video Input Level (RCA jack)/ (mini jack)	1 Vp-p/75 Ω
External Audio Max Input Level (mini jack)	1 Vp-p/75 Ω
Video Output Level (RCA jack)	1 Vp-p/75 Ω
Analog RGB input	KW-V250BT Region 3/ KW-V250BTM Region 2: 0.7 Vp-p/75 Ω

Audio section

Maximum Power (Front & Rear)	50 W × 4
Full Bandwidth Power (Front & Rear)	22 W × 4 (at less than 1% THD)
Preout Level	4 V/10 kΩ
Preout Impedance	≤ 600 Ω
Speaker Impedance	4 Ω to 8 Ω

General

Operating Voltage	12 V DC car battery
Installation Dimensions (W × H × D)	178 mm × 100 mm × 162 mm
Weight (Main Unit)	1.8 kg (including trim plate)

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